

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:

**August  
2012**

**Edmund G. Brown Jr.**  
Governor  
**State of California**

**John Laird**  
Secretary for Resources  
**The Resources Agency**

**Mark Cowin**  
Director  
**Department of Water Resources**

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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**JOHN LAIRD, Secretary for Resources**

Department of Water Resources  
**MARK COWIN, Director**

Department of Water Resources  
**LAURA KING MOON, Chief Deputy Director**

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The organization shown above represents staff and positions relevant to this report as of month of publication on February, 2014. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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## **MONTHLY HIGHLIGHTS**

The following activities, actions, and conditions that affected State Water Project operations during August 2012:

Statewide precipitation was about 75 percent of average for the 2011 - 2012 water-year through August 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at:  
[“http://cdec.water.ca.gov/snow\\_rain.html”](http://cdec.water.ca.gov/snow_rain.html).

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State. August snowpack data is not available.

Cumulative unimpaired runoff for the Sacramento River Region for the 2011 - 2012 water-year was 11.5 maf, 64 percent of average. Statewide runoff for the 2011 - 2012 water-year was 60 percent of average.

Statewide reservoir storage was 95 percent of average to date. Total storage in major SWP reservoirs at the end of August was about 3.07 maf compared to 4.76 maf at this time in 2011. On August 31, end-of-month storage at Lake Oroville was about 2.22 maf, as compared to 3.31 maf at this time in 2011. The State share of San Luis Reservoir's end-of-month storage was about 402 taf, as compared with 848 taf at this time in 2011. The combined storage in SWP's southern reservoirs was about 437 taf, compared with about 602 taf at this time in 2011.

SWP water deliveries to date through August were about 2.96 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2011 were 3.45 maf.

COA conditions remained “Balanced” with accounting throughout August. The end-of-month USBR COA balance was 32,243 cfs in favor of the USBR.

There were nine measurable earthquakes within the vicinity of the SWP during August; however, no facilities were found to meet inspection criteria. On August 5, multiple units were out of service at Las Perillas and Badger Hill Plants due to pond weed eradication. On August 18, spill at Lake Oroville was decreased to zero, and remained at zero due to decreased downstream demands.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jan 31	4999.51	20,313									
1	4999.45	20,260	-53	20	0	0	0	7	27	0	
2	4999.40	20,216	-44	20	0	0	0	7	27	4	
3	4999.35	20,173	-43	20	0	0	0	7	27	5	
4	4999.29	20,120	-53	20	0	0	0	7	27	0	
5	4999.24	20,077	-43	20	0	0	0	7	27	5	
6	4999.18	20,024	-53	20	0	0	0	7	27	0	
7	4999.12	19,972	-52	20	0	0	0	7	27	0	
8	4999.07	19,929	-43	20	0	0	0	7	27	5	
9	4999.00	19,868	-61	20	0	0	0	7	27	-4	
10	4998.94	19,816	-52	20	0	0	0	7	27	0	
11	4998.89	19,773	-43	20	0	0	0	7	27	5	
12	4998.84	19,730	-43	20	0	0	0	7	27	5	
13	4998.78	19,678	-52	20	0	0	0	7	27	0	
14	4998.74	19,644	-34	20	0	0	0	7	27	9	
15	4998.69	19,601	-43	20	0	0	0	7	27	5	
16	4998.64	19,558	-43	20	0	0	0	7	27	5	
17	4998.59	19,515	-43	20	0	0	0	7	27	5	
18	4998.54	19,473	-42	20	0	0	0	7	27	5	
19	4998.48	19,421	-52	20	0	0	0	7	27	0	
20	4998.43	19,379	-42	20	0	0	0	7	27	5	
21	4998.37	19,328	-51	20	0	0	0	7	27	1	
22	4998.31	19,276	-52	20	0	0	0	7	27	0	
23	4998.25	19,226	-50	20	0	0	0	7	27	1	
24	4998.20	19,183	-43	20	0	0	0	7	27	5	
25	4998.14	19,132	-51	20	0	0	0	7	27	1	
26	4998.08	19,082	-50	20	0	0	0	7	27	1	
27	4998.02	19,031	-51	20	0	0	0	7	27	1	
28	4997.95	18,972	-59	20	0	0	0	7	27	-3	
29	4997.90	18,930	-42	20	0	0	0	7	27	5	
30	4997.84	18,879	-51	20	0	0	0	7	27	1	
31	4997.78	18,829	-50	20	0	0	0	7	27	1	
Total cfs-days				---	620	0	0	0	202	822	
Total ac-ft				-1,484	1,230	0	0	0	400	1,630	
										146	

**Table 2. Frenchman Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Right	Water Supply Contract					
Jul 31	5575.32	37,612									
1	5575.24	37,513	-99	0	32	0	0	14	46	-4	
2	5575.16	37,414	-99	0	34	0	0	14	48	-2	
3	5575.10	37,340	-74	0	26	0	0	14	40	3	
4	5575.02	37,241	-99	0	26	0	0	14	40	-10	
5	5574.97	37,179	-62	0	26	0	0	14	40	9	
6	5574.89	37,080	-99	0	57	0	0	14	71	21	
7	5574.77	37,080	0	0	57	0	0	14	71	71	
8	5574.77	36,933	-147	0	57	0	0	14	71	-3	
9	5574.67	36,810	-123	0	43	0	0	14	57	-5	
10	5574.55	36,663	-147	0	43	0	0	14	57	-17	
11	5574.28	36,334	-329	0	43	0	0	14	57	-109	
12	5574.22	36,261	-73	0	43	0	0	14	57	20	
13	5574.11	36,128	-133	1	36	0	0	14	51	-16	
14	5574.05	36,055	-73	1	29	0	0	14	44	7	
15	5574.01	36,007	-48	1	14	0	0	14	29	5	
16	5573.99	35,982	-25	0	14	0	0	14	28	16	
17	5573.93	35,910	-72	0	14	0	0	14	28	-8	
18	5573.92	35,898	-12	0	14	0	0	14	28	22	
19	5573.88	35,850	-48	0	14	0	0	14	28	4	
20	5573.81	35,765	-85	0	36	0	0	14	50	7	
21	5573.73	35,669	-96	0	34	0	0	14	48	0	
22	5573.66	35,585	-84	0	34	0	0	14	48	6	
23	5573.57	35,477	-108	0	34	0	0	14	48	-6	
24	5573.50	35,394	-83	1	14	0	0	14	29	-13	
25	5573.46	35,346	-48	1	14	0	0	14	29	5	
26	5573.42	35,298	-48	1	14	0	0	14	29	5	
27	5573.35	35,214	-84	1	22	0	0	14	37	-5	
28	5573.28	35,131	-83	1	22	0	0	14	37	-5	
29	5573.21	35,048	-83	1	22	0	0	14	37	-5	
30	5573.13	34,953	-95	1	27	0	0	14	42	-6	
31	5573.08	34,894	-59	1	27	0	0	14	42	12	
Total cfs-days				---	11	922	0	0	439	1,372	1
Total ac-ft				-2,718	22	1,829	0	0	870	2,721	3

1/ Last Chance Creek Water District.

**Table 3. Lake Davis**

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/					
Jul 31	5769.24	62,883									
1	5769.23	62,848	-35	7.50	2.00	1.40	0	37	48	30	
2	5769.17	62,643	-205	7.50	2.00	1.40	0	37	48	-55	
3	5769.17	62,643	0	7.50	2.00	1.40	0	37	48	48	
4	5769.14	62,540	-103	7.50	2.00	1.40	0	37	48	-4	
5	5769.10	62,403	-137	7.50	2.00	1.40	0	37	48	-21	
6	5769.09	62,369	-34	7.50	2.00	1.40	0	37	48	31	
7	5769.06	62,266	-103	7.50	2.00	1.40	0	37	48	-4	
8	5769.04	62,198	-68	7.50	2.00	1.40	0	37	48	14	
9	5769.00	62,061	-137	7.50	2.00	1.40	0	37	48	-21	
10	5768.96	61,925	-136	7.50	2.00	1.40	0	37	48	-20	
11	5768.94	61,857	-68	7.50	2.00	1.40	0	37	48	14	
12	5768.88	61,653	-204	7.50	2.00	1.40	0	37	48	-55	
13	5768.90	61,721	68	7.50	2.00	1.40	0	37	48	82	
14	5768.88	61,653	-68	7.50	2.00	1.40	0	37	48	14	
15	5768.87	61,619	-34	7.50	2.00	1.40	0	37	48	31	
16	5768.85	61,551	-68	9.60	2.00	1.40	0	37	50	16	
17	5768.78	61,314	-237	21.60	2.00	1.40	0	37	62	-57	
18	5768.78	61,314	0	21.60	2.00	1.40	0	37	62	62	
19	5768.75	61,213	-101	9.60	2.00	1.40	0	37	50	-1	
20	5768.70	61,044	-169	7.50	2.00	1.40	0	37	48	-37	
21	5768.67	60,942	-102	7.50	2.00	1.40	0	37	48	-3	
22	5768.65	60,875	-67	7.50	2.00	1.40	0	37	48	14	
23	5768.61	60,740	-135	7.50	2.00	1.40	0	37	48	-20	
24	5768.58	60,639	-101	7.50	2.00	1.40	0	37	48	-3	
25	5768.55	60,538	-101	7.50	2.00	1.40	0	37	48	-3	
26	5768.52	60,437	-101	7.50	2.00	1.40	0	37	48	-3	
27	5768.48	60,303	-134	7.50	2.00	1.40	0	37	48	-19	
28	5768.47	60,270	-33	7.50	2.00	1.40	0	37	48	32	
29	5768.44	60,169	-101	7.50	2.00	1.40	0	37	48	-3	
30	5768.41	60,069	-100	7.50	2.00	1.40	0	37	48	-2	
31	5768.37	59,935	-134	7.50	2.00	1.40	0	37	48	-19	
Total cfs-days				---	265	62	43	0	1,155	1,525	
Total ac-ft				-2,948	525	123	86	0	2,290	3,024	
										76	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 25 AF Plumas County and 61 AF Grizzly Ranch.

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow		
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/	
Jul 31	839.73	2,672,943	-20,173	13,614	26	0	0	393	8,843	22,876	0	2,703	
1	838.17	2,652,770		13,606	26	0	0	438	10,079	24,149	0	2,671	
2	836.50	2,631,292		13,652	26	0	0	378	10,351	24,407	0	2,413	
3	834.78	2,609,298		13,632	26	0	0	173	9,455	23,286	0	1,294	
4	833.05	2,587,306		13,684	26	0	0	308	8,135	22,153	0	3,064	
5	831.54	2,568,217		13,660	26	0	0	186	8,012	21,884	0	2,141	
6	829.97	2,548,474		13,762	26	0	0	345	5,242	19,375	0	2,109	
7	828.59	2,531,208		13,800	26	0	0	335	2,793	16,954	0	3,001	
8	827.47	2,517,255		13,832	26	0	0	382	1,514	15,754	0	3,218	
9	826.46	2,504,719		13,621	26	0	0	428	4,656	18,731	0	4,265	
10	825.29	2,490,253		13,590	26	0	0	379	1,093	15,088	0	1,048	
11	824.15	2,476,213		13,420	26	0	0	378	3,207	17,031	0	1,334	
12	822.87	2,460,516		13,420	26	0	0	471	3,685	17,718	0	3,065	
13	821.67	2,445,863		13,536	26	0	0	398	864	15,028	0	2,622	
14	820.65	2,433,457		13,387	26	0	0	271	3,263	16,947	0	2,774	
15	819.48	2,419,284		13,634	26	0	0	333	2,599	16,592	0	2,723	
16	818.33	2,405,415		13,653	26	0	0	246	1,527	15,452	0	2,238	
17	817.23	2,392,201		13,601	26	0	0	281	0	13,908	0	2,022	
18	816.22	2,380,113		13,598	26	0	0	338	181	14,143	0	2,055	
19	815.23	2,368,304		13,564	26	0	0	314	0	13,904	0	2,095	
20	814.23	2,356,418		13,541	26	0	0	281	0	13,848	0	2,240	
21	813.25	2,344,810		13,484	26	0	0	288	0	13,798	0	2,582	
22	812.30	2,333,594		13,610	26	0	0	249	0	13,885	0	2,590	
23	811.34	2,322,299		13,617	26	0	0	271	0	13,914	0	2,188	
24	810.34	2,310,573		13,618	26	0	1	271	0	13,916	0	2,232	
25	809.34	2,298,889		12,627	26	0	1	240	0	12,894	0	670	
26	808.29	2,286,665		12,672	26	0	1	298	0	12,997	0	1,050	
27	807.26	2,274,718		12,651	26	0	1	289	0	12,967	0	1,063	
28	806.23	2,262,814		12,649	26	0	1	347	0	13,023	0	1,393	
29	805.22	2,251,184		11,840	26	0	1	339	0	12,206	0	1,992	
30	804.33	2,240,970		12,255	26	0	1	294	0	12,576	0	682	
31	803.29	2,229,076		12,255	26	0	1	9,942	85,499	511,404	0	67,537	
<b>Total</b>				-443,867	415,150	806	0	7	9,942	85,499	511,404	0	67,537

1/ Includes bypass flows.

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

2/ South Feather Water and Power Agency.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation  
(in acre-feet except as noted)

**August 2012**

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jul 31	23,814										
1	23,094	-720	22,457	474	0	22,432	12	10	1,238	0	41
2	23,617	523	23,685	405	0	22,580	12	10	1,258	0	293
3	24,076	459	24,003	454	0	22,129	12	10	2,196	0	349
4	24,121	45	23,087	475	0	20,818	12	10	3,233	0	556
5	24,013	-108	21,819	480	0	19,816	12	10	3,233	0	664
6	24,202	189	21,672	384	0	19,665	12	10	2,836	0	656
7	23,044	-1,158	19,004	479	0	18,654	12	10	2,321	0	356
8	24,179	1,135	16,593	482	0	14,779	12	10	2,321	0	1,182
9	22,537	-1,642	15,346	402	0	15,267	12	10	2,341	0	240
10	23,602	1,065	18,277	380	0	16,379	12	9	2,279	0	1,087
11	23,040	-562	14,683	320	0	13,090	12	9	2,279	0	-175
12	23,663	623	16,627	208	0	15,048	12	9	2,281	0	1,138
13	24,372	709	17,221	254	0	15,297	12	9	2,323	0	875
14	23,717	-655	14,604	482	0	13,795	12	9	2,319	0	394
15	24,365	648	16,650	477	0	14,619	12	9	2,301	0	462
16	24,452	87	16,233	371	0	14,299	12	8	2,341	0	143
17	23,706	-746	15,180	433	0	14,219	12	8	2,579	0	459
18	24,707	1,001	13,779	481	0	11,381	12	8	2,301	0	443
19	23,390	-1,317	13,564	481	0	13,138	12	8	2,341	0	137
20	24,579	1,189	13,601	481	0	11,562	12	8	1,872	0	561
21	24,048	-531	13,541	479	0	12,280	12	5	1,456	0	-798
22	24,740	692	13,484	416	0	10,992	12	5	1,462	0	-737
23	24,793	53	13,610	480	0	11,911	13	5	1,464	0	-644
24	24,454	-339	13,617	479	0	11,401	13	5	1,464	0	-1,552
25	23,800	-654	13,618	480	0	11,913	13	5	1,452	0	-1,369
26	24,188	388	12,627	417	0	12,289	13	5	1,438	0	1,089
27	23,838	-350	12,672	393	0	11,994	12	5	1,456	0	52
28	23,011	-827	12,651	481	0	12,169	11	5	1,432	0	-342
29	22,671	-340	12,649	482	0	12,907	12	5	1,412	0	865
30	23,227	556	11,840	479	0	11,198	12	5	1,430	0	882
31	23,320	93	12,255	419	0	12,035	12	5	1,436	0	907
Total		-494	500,649	13,408	0	460,056	375	239	62,095	0	8,214

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jul 31	133.07	43,108										
1	133.19	43,567	459	22,432	2,975	17	746	1,845	15,610	0	-780	16,848
2	133.35	44,182	615	22,580	2,916	17	746	1,835	15,610	0	-841	16,868
3	133.56	44,995	813	22,129	2,916	17	746	1,801	14,837	0	-1,000	17,033
4	133.79	45,893	898	20,818	2,916	17	730	1,755	13,646	0	-855	16,879
5	133.72	45,619	-274	19,816	2,916	17	720	1,757	13,646	0	-1,033	16,879
6	133.72	45,619	0	19,665	2,916	17	730	1,763	13,309	0	-930	16,145
7	133.97	46,602	983	18,654	2,916	18	730	1,765	11,961	0	-281	14,282
8	133.49	44,723	-1,879	14,779	2,876	17	724	1,744	10,175	0	-1,122	12,496
9	133.56	44,995	272	15,267	2,836	17	724	1,734	9,679	0	-5	12,020
10	133.78	45,854	859	16,379	2,817	17	724	1,718	9,322	0	-922	11,601
11	133.65	45,345	-509	13,090	2,817	17	724	1,702	8,688	0	348	10,967
12	133.75	45,736	391	15,048	2,717	17	724	1,684	8,688	0	-827	10,969
13	133.90	46,326	590	15,297	2,797	17	724	1,684	8,688	0	-798	11,011
14	133.79	45,893	-433	13,795	2,777	17	722	1,672	8,688	0	-352	11,007
15	133.87	46,208	315	14,619	2,777	17	722	1,640	8,688	0	-460	10,989
16	133.91	46,365	157	14,299	2,817	17	712	1,603	8,688	0	-306	11,029
17	133.98	46,642	277	14,219	2,817	17	704	1,579	8,390	0	-435	10,969
18	133.27	43,874	-2,768	11,381	2,817	17	704	1,567	8,688	0	-357	10,989
19	133.04	42,994	-880	13,138	2,817	17	704	1,567	8,688	0	-226	11,029
20	132.24	39,999	-2,995	11,562	2,717	17	700	1,553	9,084	0	-485	10,956
21	131.76	38,250	-1,749	12,280	2,817	17	700	1,527	9,679	0	711	11,135
22	131.37	36,856	-1,394	10,992	2,777	17	704	1,508	8,212	0	831	9,674
23	131.67	37,926	1,070	11,911	2,777	18	664	1,494	6,704	0	816	8,168
24	132.13	39,595	1,669	11,401	2,757	18	611	1,442	6,704	0	1,800	8,168
25	132.66	41,559	1,964	11,913	2,737	18	597	1,400	6,704	0	1,508	8,156
26	132.92	42,538	979	12,289	2,737	18	597	1,389	6,704	0	135	8,142
27	133.35	44,182	1,644	11,994	2,698	19	595	1,389	6,704	0	1,054	8,160
28	133.93	46,444	2,262	12,169	2,678	19	595	1,365	6,704	0	1,454	8,136
29	134.38	48,230	1,786	12,907	2,678	19	567	1,271	6,704	0	118	8,116
30	134.34	48,070	-160	11,198	2,618	19	553	1,172	7,200	0	205	8,630
31	134.23	47,631	-439	12,035	2,559	14	494	1,087	8,073	0	-247	9,509
<b>Total</b>		4,523	460,056	86,700	540	21,140	49,010	294,870	0	-3,273		356,962

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

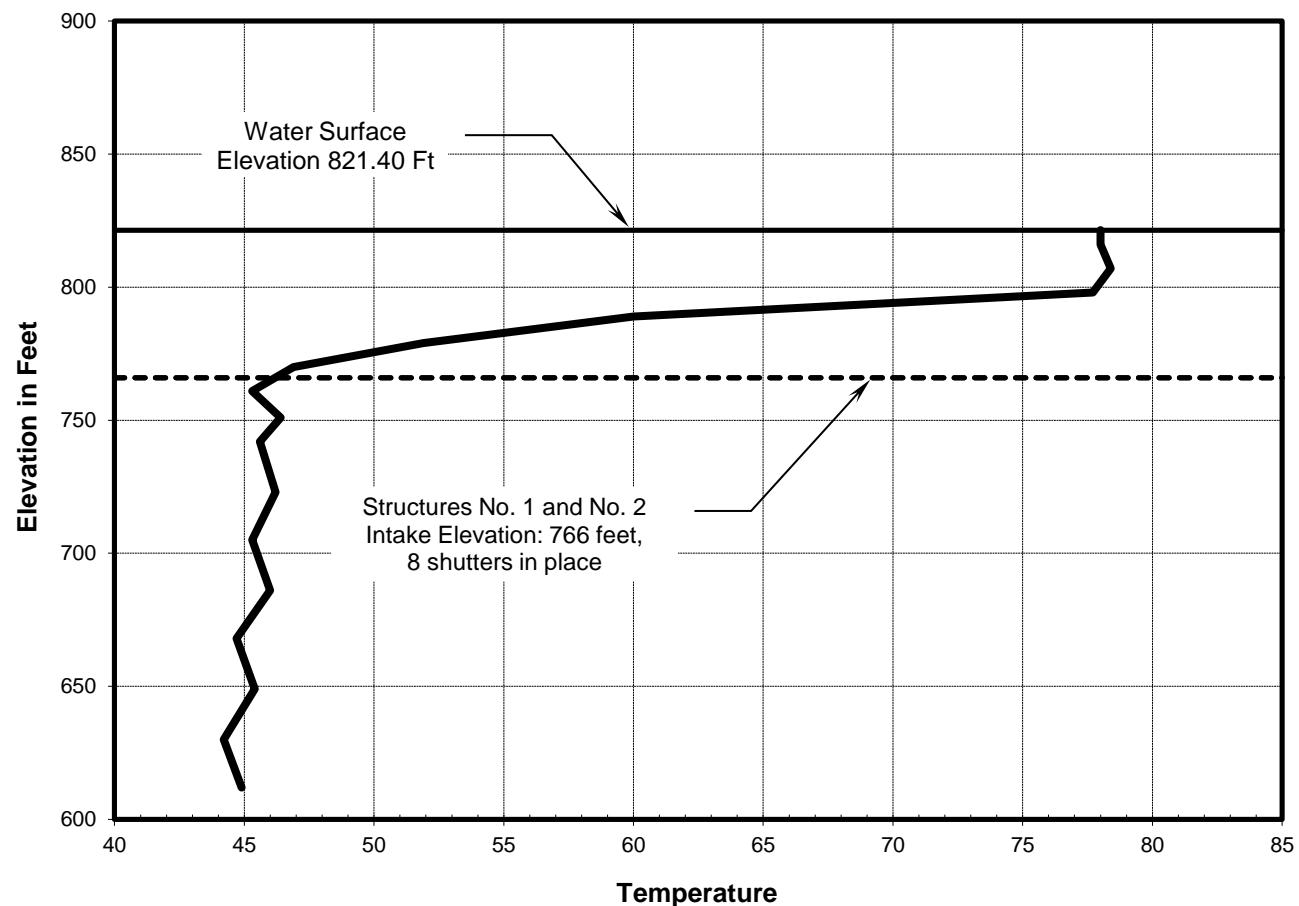
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

**August 2012**

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	58.8	59.9
2	57.7	63.6
3	60.9	62.7
4	62.7	62.5
5	63.8	61.3
6	64.5	61.3
7	65.4	60.5
8	65.5	57.4
9	66.0	55.4
10	65.7	57.6
11	65.0	58.1
12	64.0	57.5
13	63.6	59.2
14	63.0	58.8
15	63.4	56.5
16	63.6	54.9
17	63.7	55.0
18	63.2	53.8
19	63.6	52.1
20	63.2	51.7
21	62.0	55.8
22	60.6	59.9
23	59.5	61.7
24	60.8	61.6
25	61.5	53.4
26	61.7	52.9
27	63.2	53.4
28	63.3	54.4
29	62.0	55.1
30	60.7	55.6
31	58.7	55.6

**Lake Oroville Temperature Profile  
on August 14, 2012**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Permit	Article 21	Article 56	Settlement Water	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,592	362	362	275	2,099		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	362						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	275						
				Solano County Water Agency Fairfield / Vacaville 42"	2,099						
			17.00	Solano County Water Agency Central Solano	Stub						
2		Cordelia Forebay	21.23		0	1/ 572	2/ 5	1,177	50		
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,716						
3A	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	577	200	200	94	618		
				Solano County Water Agency Benicia	1,177						
		Cordelia Surge Tank	23.33		0						
		Creston Surge Tank Connection	25.65		0						
			26.95	Napa County Flood Control & WCD American Canyon 2	50						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	618						
			27.60	Napa County Flood Control & WCD American Canyon 1	294						

1/ This includes 10 AF of Napa Co. FC&WCD Table A through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

2/ Salano Permit water sold to American Canyon, delivered to Cordella Forebay and pumped to American Canyon via Reach 3B.

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**August 2012**

Date	North Bay Aqueduct		California Aqueduct				South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		DMC/CA Intertie (DCI)		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP	Pumped	Released		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	192	83	10,708	10,708	0	0	718	62	0	0
2	205	95	11,233	11,233	312	0	576	64	0	0
3	214	103	14,077	14,077	476	0	572	64	0	0
4	200	89	14,263	14,263	339	0	558	64	0	0
5	173	71	14,264	14,264	350	0	556	64	0	0
6	183	84	14,127	14,127	344	0	573	54	0	0
7	201	91	14,498	14,498	388	0	496	0	0	0
8	269	105	12,893	12,893	470	0	458	0	0	0
9	233	91	14,075	13,051	318	0	559	0	0	0
10	204	95	12,779	12,779	466	0	773	0	0	0
11	180	91	12,409	12,409	466	0	753	0	0	0
12	200	93	12,757	12,757	468	0	679	0	0	0
13	202	89	12,564	12,564	604	0	698	29	0	0
14	201	94	14,027	14,027	474	0	627	63	0	0
15	196	93	14,273	13,249	552	0	598	63	0	0
16	182	84	13,865	12,841	475	0	556	63	0	0
17	196	101	13,323	12,299	475	0	558	97	0	0
18	165	86	12,865	11,841	474	0	649	124	0	0
19	117	85	12,269	11,245	477	0	579	124	0	0
20	75	64	11,840	10,816	477	0	614	126	0	0
21	100	85	11,902	10,878	478	0	596	124	0	0
22	88	75	13,818	12,794	478	0	561	124	0	0
23	123	71	13,766	12,742	475	0	616	124	0	0
24	180	82	12,336	11,312	475	0	647	110	0	0
25	199	99	10,128	9,104	479	0	675	126	0	0
26	176	83	8,834	7,810	639	0	752	124	0	0
27	185	87	8,129	7,105	704	0	727	125	0	0
28	181	85	8,664	7,640	703	0	653	100	0	0
29	202	103	8,704	7,680	535	0	652	125	0	0
30	167	64	9,226	8,202	0	0	665	125	0	0
31	203	95	10,803	9,779	528	0	623	115	0	0
Total	5,592	2,716	379,419	360,987	13,899	0	19,317	2,382	0	0

**Table 10. Clifton Court Forebay**  
Daily Operation of Gates

August 2012

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1		03:00	05:30	12:45	15:45	21:20					10,901
2	00:01	04:45	07:15	13:34	16:40						11,879
3		05:30	08:00	14:15	17:15						14,238
4		06:30	09:00	14:45	17:45						14,227
5		07:15	09:45	15:30	18:30						14,228
6		08:00	10:30	16:00	19:00						14,233
7		09:00	11:30	20:45	23:45						11,998
8		06:00	09:00	21:10							14,236
9	00:30	07:00	10:00	22:10							14,220
10	01:15	08:00	11:00	19:30							12,885
11	02:00	09:15	11:15	20:15							12,885
12	03:00	10:00	13:00								12,885
13		01:30	04:00	10:45	13:45						14,224
14		02:30	04:45	11:30	14:30	21:15					14,221
15	00:01	03:15	05:30	12:00	15:00	22:10					14,213
16	00:01	04:00	06:15	12:30	15:30	21:40					14,228
17	00:01	04:30	07:00	13:15	16:15	21:45					12,880
18	00:01	05:15	07:45	13:45	16:45	22:05					11,889
19	00:01	06:00	08:30	14:15	17:45	21:00					11,888
20	00:01	06:45	09:15	14:45	17:45						11,881
21		07:30	10:15	19:30	22:45						12,869
22		04:30	07:30	20:15							13,863
23	00:01	05:30	08:30	21:00							13,870
24	00:15	06:35	09:30	19:45							11,899
25	01:15	07:45	10:45	18:12							9,914
26	02:15	09:00	13:15	16:15							7,904
27	00:01	00:45	03:30	10:00	13:00	15:00	21:10				7,922
28		02:00	04:30	11:00	19:00	22:30					8,904
29	00:01	03:00	05:30	11:45	14:45	21:45					9,911
30	00:01	03:45	06:15	12:30	15:30	21:05					9,914
31	00:01	04:35	07:15	13:00	16:00	20:05					11,305
Total inflow for the month in AF:											382,514

**Table 11. Governor Edmund G. Brown California Aqueduct**

Delta Field Division, Monthly Deliveries

**August 2012**

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	USBR	Local	Article 56C	Dry Year Purchase	
	No.	Structure	Mile								
1A				1.83	Byron-Bethany I.D.	3,763					
1	1	Banks Pumping Plant		3.32		379,419					
		South Bay Pumping Plant		4.49	Bethany Reservoir (Into the South Bay Aqueduct)	19,317					
		Check No. 1		5.95							
				8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0					
	2	Delta Mendota Canal - California Aquaduct Intertie ( DCI )	9.1	Inflow to California Aqueduct from Delta Mendota Canal		1/ 13,899					
				Outflow to Delta Mendota Canal from California Aqueduct		0					
	3	Check No. 2		12.01							
				12.47	Musco Olive	38		38			
	4	Check No. 3		18.29							
				22.16	Tracy Golf & Country Club	0					
2A	5	Check No. 4		23.99							
	6	Check No. 5		29.73							
	7	Check No. 6		34.24							
				35.22	Turlock Fruit Company Inflow	0					
	8	Check No. 7		39.91							
				42.46	Oak Flat Water District-A	92					
				42.9	Western Hills WD	173	173				
				43.81	Oak Flat Water District-B	512	512				
				44.64	Oak Flat Water District-C	54	54				
2B	9	Check No. 8		45.97							
				46.18	Oak Flat Water District-D	141	141				
					Oak Flat Totals:	799	707	0	92	0	
	10	Check No. 9		51.3							
	11	Check No. 10		56.86							
	12	Check No. 11		61.4							
				66.14	Veteran's Cemetery	50					
		Check No. 12		66.71		370,178	50				

1/ Total USBR pumping from DMC to California Aqueduct through DCI.

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

**August 2012**

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Article 56	Article 14B	Local	Others	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	19,317	0	7	0			
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	0						
	Check No. 1	3.91									
	2	Check No. 2	5.21								
	3		7.15	Zone 7 Altamont	7						
		Check No. 3	9.49	Zone 7 Patterson Inflow Exchange	0						
2	4	Check No. 4	10.68			0	221	199			
		Check No. 5	12.29								
	6		13.55	Zone 7 Wente #1	0						
			14.16	Zone 7 Wente #2	221						
			14.31	Ising Project Water	199						
		Check No. 6	14.65								
	7		14.78	Zone 7 Arroyo Mocho Project Water	0						
		Check No. 7	16.38								
	8		16.57	Zone 7 Wente #3	0	0	0	0	275	1 / 0	
			16.63	Zone 7 Wente #4	0						
			16.69	Zone 7 Norman Nursery	0						
			16.70	Zone 7 Concannon Project Water	0						
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	2,382						
5	8			Pumped into South Bay Aqueduct	0	0	0	0	0	0	
				Gravity into South Bay Aqueduct	0						
		Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Storage Exchange: Project Water	275						
				Storage Released	0						
				Inflow Release	0						
6	19.20		22.50	East Bay Regional Park Dist.		0	0	0	0	0	
				Del Valle Recreation	0						
				Zone 7 Wente #5	0						
				So. Livermore Project	0						
7	22.50	La Costa Tunnel		So. Livermore Inflow Released	0	0	0	0	0	0	
				So. Livermore Stored Exchanged	0						
				Zone 7 - Kalthrof Detjens	0						
8	25.97	Mission Tunnel		ACWD		0	0	0	0	0	
				Vallecitos Project Water	0						
				City of San Francisco							
9	35.86	Santa Clara Pipeline		San Antonio	0	0	0	0	0	2 / 0	
				ACWD - Bayside 1 & 2 Project Water	0						
				Storage Released	0						
				Storage Exchange:	0						
				S.C.V.W.D. Meter	0						

1/ SWP Parks and Recreation water.

2/ Table A exchange for Semitropic recovery water.

**Table 13. Lake Del Valle**

Daily Operation

(in acre-feet except as noted)

Capacity: 77,106 ac-ft

**August 2012**

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Jul 31	696.24	35,308									
1	696.34	35,373	65	20	62	0	0	1	16	17	0.00
2	696.88	35,729	356	308	64	0	0	1	15	16	0.00
3	696.96	35,782	53	5	64	0	0	1	15	16	0.00
4	697.04	35,835	53	1	64	0	0	1	11	12	0.00
5	697.07	35,855	20	-32	64	0	0	1	11	12	0.00
6	697.15	35,908	53	11	54	0	0	1	11	12	0.00
7	697.11	35,881	-27	-10	0	0	0	1	16	17	0.00
8	697.12	35,888	7	25	0	0	0	1	18	19	0.00
9	697.10	35,875	-13	6	0	0	0	1	18	19	0.00
10	697.09	35,868	-7	14	0	0	0	1	20	21	0.00
11	697.05	35,842	-26	-8	0	0	0	1	18	19	0.00
12	697.04	35,835	-7	14	0	0	0	1	19	20	0.00
13	697.06	35,848	13	3	29	0	0	1	18	19	0.00
14	697.13	35,895	46	0	63	0	0	1	15	16	0.00
15	697.21	35,948	53	11	63	0	0	1	20	21	0.00
16	697.27	35,987	40	-11	63	0	0	1	11	12	0.00
17	697.38	36,060	73	-8	97	0	0	1	15	16	0.00
18	697.54	36,167	106	3	124	0	0	1	20	21	0.00
19	697.62	36,220	53	-55	124	0	0	1	15	16	0.00
20	697.77	36,320	100	-13	126	0	0	1	12	13	0.00
21	698.00	36,474	154	46	124	0	0	1	15	16	0.00
22	698.09	36,534	60	-49	124	0	0	1	14	15	0.00
23	698.25	36,641	107	-8	124	0	0	1	8	9	0.00
24	698.37	36,722	81	-16	110	0	0	1	12	13	0.00
25	698.60	36,877	155	43	126	0	0	1	13	14	0.00
26	698.75	36,978	101	-11	124	0	0	1	11	12	0.00
27	698.90	37,079	101	-13	125	0	0	0	11	11	0.00
28	699.05	37,181	101	15	100	0	0	0	13	13	0.00
29	699.21	37,289	108	-4	125	0	0	0	13	13	0.00
30	699.35	37,384	95	-11	125	0	0	0	19	19	0.00
31	699.50	37,486	102	-2	115	0	0	0	11	11	0.00
<b>Total</b>				2,178	275	2,382	0	0	26	453	479
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.											
2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.											
3/ To East Bay Regional Park District.											
NR=No Records											

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

August 2012

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
Jul 31	221.19	46,259											
1	220.49	44,427	-1,832	0	334	3,300	4,820	0	0	9,227	33	-118	
2	220.24	43,775	-652	0	300	4,054	5,133	12	0	9,598	33	-173	
3	222.45	49,580	5,805	0	425	4,913	7,080	0	0	9,187	20	-284	
4	224.04	53,834	4,254	0	218	4,069	7,046	0	0	8,956	20	-212	
5	223.49	52,357	-1,477	0	857	0	7,043	0	0	8,555	20	-70	
6	223.64	52,759	402	0	1,128	0	6,793	0	0	7,539	20	-159	
7	223.62	52,705	-54	0	1,107	1,080	7,037	0	0	8,935	20	-296	
8	223.43	52,196	-509	0	928	0	6,541	0	0	7,883	20	177	
9	223.17	51,500	-696	0	917	0	7,010	0	0	8,104	20	-154	
10	222.43	49,527	-1,973	0	1,095	0	6,052	0	0	8,081	10	-51	
11	222.29	49,155	-372	0	1,293	0	6,466	0	0	7,756	10	-181	
12	223.00	51,046	1,891	0	1,191	0	6,376	0	0	6,561	10	-43	
13	222.46	49,607	-1,439	0	1,211	0	5,922	0	0	7,909	10	61	
14	222.73	50,326	719	0	1,231	0	7,111	0	0	7,948	10	-22	
15	223.09	51,287	961	0	994	0	7,160	0	0	7,705	9	44	
16	222.73	50,326	-961	0	622	0	7,033	0	154	7,983	9	7	
17	222.21	48,942	-1,384	0	540	0	6,764	0	0	8,014	27	39	
18	221.43	46,889	-2,053	0	710	0	6,253	0	0	7,916	27	-55	
19	221.61	47,362	473	0	1,088	0	6,241	0	0	6,947	27	-117	
20	221.17	46,206	-1,156	0	1,264	0	5,787	0	0	7,579	27	-28	
21	221.49	47,046	840	0	1,207	1,620	5,768	0	0	7,937	27	-208	
22	222.68	50,193	3,147	3	858	1,615	6,907	0	0	7,548	27	-221	
23	223.53	52,464	2,271	3	802	1,600	6,430	0	0	7,470	27	-193	
24	224.25	54,400	1,936	3	1,057	1,600	6,116	0	0	7,558	8	-234	
25	223.29	51,821	-2,579	3	1,366	0	4,962	0	0	7,428	8	-195	
26	222.58	49,926	-1,895	3	1,791	0	4,620	0	0	7,300	8	-61	
27	222.62	50,033	107	3	2,198	1,200	3,834	0	0	6,999	8	-174	
28	223.32	51,901	1,868	3	1,911	1,594	4,279	0	0	6,615	8	-222	
29	223.53	52,464	563	3	1,378	1,590	4,463	0	0	6,976	8	-166	
30	223.23	51,661	-803	3	1,354	123	4,509	0	0	6,192	19	-183	
31	223.27	51,768	107	3	1,594	0	5,074	0	0	6,556	19	-42	
Total				5,509	30	32,969	28,358	186,630	12	154	240,962	549	-3,534
Mean cfs				---	1	1,064	915	6,020	0	5	7,773	18	-114
Acre-feet				5,509	61	65,394	56,245	370,178	23	305	477,948	1,089	-7,004

1/ Pump-in located at Mile 79.67R.

2/ Includes 114 AF delivered to DFG at O'Neill Forebay, 0 AF to Parks & Rec., 1 AF to DWR Water Truck at O'Neill, and 974 AF to San Luis Water District.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

**August 2012**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Jul 31	418.54	677,891						
1	417.70	670,547	-7,344	0	3,300	268	0	-135
2	416.67	661,583	-8,964	0	4,054	268	0	-197
3	415.79	653,960	-7,623	0	4,913	259	0	1,329
4	414.78	645,252	-8,708	0	4,069	267	0	-54
5	414.69	644,478	-774	0	0	240	0	-150
6	414.62	643,876	-602	0	0	245	0	-59
7	414.46	642,502	-1,374	0	1,080	270	0	657
8	414.37	641,729	-773	0	0	270	0	-120
9	414.28	640,957	-772	0	0	316	0	-73
10	414.19	640,185	-772	0	0	320	0	-69
11	414.10	639,414	-771	0	0	305	0	-84
12	414.01	638,643	-771	0	0	270	0	-119
13	413.93	637,957	-686	0	0	304	0	-42
14	413.82	637,016	-941	0	0	286	0	-188
15	413.73	636,245	-771	0	0	283	0	-106
16	413.66	635,647	-598	154	0	291	0	-164
17	413.57	634,877	-770	0	0	302	0	-86
18	413.47	634,022	-855	0	0	287	0	-144
19	413.37	633,168	-854	0	0	265	0	-166
20	413.28	632,400	-768	0	0	288	0	-99
21	412.83	628,563	-3,837	0	1,620	299	0	-15
22	412.37	624,650	-3,913	0	1,615	297	0	-61
23	411.91	620,747	-3,903	0	1,600	290	0	-78
24	411.45	616,852	-3,895	0	1,600	221	0	-143
25	411.34	615,922	-930	0	0	290	0	-179
26	411.25	615,161	-761	0	0	290	0	-94
27	410.89	612,123	-3,038	0	1,200	288	0	-44
28	409.94	604,132	-7,991	0	1,594	290	0	-2,145
29	409.49	600,361	-3,771	0	1,590	282	0	-29
30	409.36	599,273	-1,088	0	123	278	0	-148
31	409.27	598,520	-753	0	0	278	1	-101
Total			-79,371	154	28,358	8,707	1	-3,106
Mean cfs			---	5	915	281	0	-100
Acre-feet			-79,371	305	56,245	17,273	1	-6,157

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 14,280 AF, Casa De Fruta 0 AF, and San Benito 2,993 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**August 2012**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	18,302	16,708	6,546	6,546	0	0	531
2	19,037	17,458	8,041	8,041	0	0	532
3	18,223	16,639	9,744	9,744	0	0	514
4	17,764	16,184	8,070	8,070	0	0	530
5	16,969	15,386	0	0	0	0	477
6	14,954	13,373	0	0	0	0	485
7	17,723	16,119	2,142	2,142	0	0	536
8	15,636	14,041	0	0	0	0	536
9	16,074	14,477	0	0	0	0	626
10	16,028	14,431	0	0	0	0	635
11	15,385	13,794	0	0	0	0	604
12	13,013	11,422	0	0	0	0	536
13	15,688	14,062	0	0	0	0	602
14	15,764	14,155	0	0	0	0	567
15	15,282	13,694	0	0	0	0	562
16	15,835	14,233	0	0	305	305	577
17	15,896	14,286	0	0	0	0	599
18	15,701	14,104	0	0	0	0	570
19	13,779	12,190	0	0	0	0	525
20	15,033	13,451	0	0	0	0	572
21	15,744	14,157	3,213	3,213	0	0	594
22	14,972	13,387	3,203	3,203	0	0	589
23	14,816	13,215	3,174	3,174	0	0	576
24	14,991	13,363	3,174	3,174	0	0	438
25	14,734	13,119	0	0	0	0	576
26	14,480	12,889	0	0	0	0	576
27	13,883	12,306	2,380	2,380	0	0	571
28	13,120	11,516	3,161	3,161	0	0	575
29	13,837	12,210	3,154	3,154	0	0	560
30	12,281	10,661	243	243	0	0	551
31	13,004	11,386	0	0	0	0	551
Total	477,948	428,416	56,245	56,245	305	305	17,273

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;  
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

August 2012

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	321.87	17,893					
1	321.84	17,880	-13	0	0	0	-13
2	321.82	17,872	-8	0	0	0	-8
3	321.79	17,859	-13	0	0	0	-13
4	321.75	17,841	-18	0	0	0	-18
5	321.72	17,828	-13	0	0	0	-13
6	321.71	17,824	-4	0	0	0	-4
7	321.68	17,811	-13	0	0	0	-13
8	321.67	17,807	-4	0	0	0	-4
9	321.65	17,798	-9	0	0	0	-9
10	321.63	17,789	-9	0	0	0	-9
11	321.61	17,781	-8	0	0	0	-8
12	321.59	17,772	-9	0	0	0	-9
13	321.57	17,763	-9	0	0	0	-9
14	321.53	17,746	-17	0	0	0	-17
15	321.50	17,733	-13	0	0	0	-13
16	321.45	17,711	-22	0	0	0	-22
17	321.44	17,707	-4	0	0	0	-4
18	321.41	17,694	-13	0	0	0	-13
19	321.39	17,685	-9	0	0	0	-9
20	321.36	17,672	-13	0	0	0	-13
21	321.33	17,659	-13	0	0	0	-13
22	321.29	17,642	-17	0	0	0	-17
23	321.26	17,629	-13	0	0	0	-13
24	321.23	17,616	-13	0	0	0	-13
25	321.19	17,599	-17	0	0	0	-17
26	321.15	17,582	-17	0	0	0	-17
27	321.14	17,577	-5	0	0	0	-5
28	321.12	17,569	-8	0	0	0	-8
29	321.11	17,564	-5	0	0	0	-5
30	321.08	17,552	-12	0	0	0	-12
31	321.03	17,530	-22	0	0	0	-22
Total			-363	0	0	0	-363
Mean cfs			---	0	0	0	---
Acre-feet			-363	0	0	0	-363

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

August 2012

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	602.20	803					
1	Not Observed			0	0	0	0
2	Not Observed			0	0	0	0
3	Not Observed			0	0	0	0
4	602.20	803	0	0	0	0	0
5	Not Observed			0	0	0	0
6	Not Observed			0	0	0	0
7	Not Observed			0	0	0	0
8	Not Observed			0	0	0	0
9	Not Observed			0	0	0	0
10	Not Observed			0	0	0	0
11	Not Observed			0	0	0	0
12	602.20	803	0	0	0	0	0
13	Not Observed			0	0	0	0
14	Not Observed			0	0	0	0
15	Not Observed			0	0	0	0
16	Not Observed			0	0	0	0
17	Not Observed			0	0	0	0
18	Not Observed			0	0	0	0
19	Not Observed			0	0	0	0
20	Not Observed			0	0	0	0
21	Not Observed			0	0	0	0
22	Not Observed			0	0	0	0
23	Not Observed			0	0	0	0
24	602.20	803	0	0	0	0	0
25	Not Observed			0	0	0	0
26	Not Observed			0	0	0	0
27	Not Observed			0	0	0	0
28	Not Observed			0	0	0	0
29	Not Observed			0	0	0	0
30	Not Observed			0	0	0	0
31	602.20	803	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		370,178						
3A		San Luis Reservoir		Department of Parks and Recreation	1	14,280		0	1		
				San Felipe Division Santa Clara Water District	14,280						
				Casa de Fruita Santa Clara Water District	0						
				San Felipe Division San Benito Water District	2,993	2,993		0	1		
				Reach 3A Subtotal:	17,274						
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation				0	0		
				Cattle Program	1						
				Department of Fish & Game	114						
		Thru	70.91	San Luis Water District	974	974		1	0		
			85.08	(Floodwater Inflow)							
				Reach 3 Subtotal:	1,089	974	0	64	51		
		Dos Amigos Pumping Plant	86.73		477,948						
4	14		89.03	San Luis Water District	7,294	7,294					
			Thru 94.06								
			89.66	Pacheco Water District	1,138		1,138				
			Thru 89.67								
			89.68	Panoche Water District	67		67				
		Check No. 14	89.70	City of Dos Palos	175	175					
	15		95.06								
			98.15	San Luis Water District	962	962					
			Thru 104.20								
			96.15	Panoche Water District	3,774	3,774					
		Check No. 15	102.64	(Floodwater Inflow)							
		102.64	Broadview Water District	0							
			105.22	Westlands Water District	11,132	11,132					
			Thru 108.64								
		Check No. 15	108.50								
			Reach 4 Subtotal:	24,542	24,542	24,542	0	0	0		
			San Felipe Division Total:	17,273	17,273	17,273	0	0	0		
			Pacheco Water District Total:	1,138	1,138	1,138	0	0	0		
			Broadview Water District Total:	0	0	0	0	0	0		
			City of Dos Palos Total:	175	175	175	0	0	0		
			SLWD Reach 4 Subtotal:	8,256	8,256	8,256	0	0	0		
			Panoche Water District Total:	3,841	3,841	3,841	0	0	0		
			SLWD Total:	9,230	9,230	9,230	0	0	0		
			Westlands WD Reach 4 Subtotal:	11,132	11,132	11,132	0	0	0		

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
5	16		110.52 Thru 122.05	(Reverse flow, Kings River)	0	16,177			1		
				Westlands Water District	16,177						
				Dept. of Fish and Game @ Lat. 4L	1						
				Dept. of Fish and Game @ Lat. 6L	0						
				Dept. of Fish and Game @ Lat. 7L	0						
	17	Check No. 16	122.07			7,109					
			124.18 Thru 132.74	Westlands Water District	7,109						
	18	Check No. 17	132.95			13,368					
	18		133.81 Thru 142.61	Westlands Water District	13,368						
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	9,896	9,896					
			143.16	City of Coalinga	777						
		Check No. 18	143.23			777					
				Reach 5 Subtotal:	47,328						
6	19		145.26 Thru 151.19	GWF Energy	1	8	1				
				SWP Construction @ Lat. 22R	0						
				City of Huron	8						
				Kings County to Lemoore NAS Through WWD	386						
				Kings County through WWD 30L	0						
				Westlands Water District	14,724						
		Check No. 19	155.64								
	20		156.34 156.40 Thru 163.69	Reach 6 Subtotal:	15,119	14,724	387	0	0		
				City of Huron	124						
				Kings County thru WWD 37L	1,000						
7	20		163.69	Westlands Water District	7,359	124	1,000	7,359			
				Check No. 20	164.69						
	21		164.79 167.04 Thru 171.67	City of Avenal	372	372	2,362				
				Westlands Water District	2,362						
				Check No. 21	172.40						
				Reach 7 Total:	11,217	11,217	0	0	0		
				SWP Const. / GWF Energy	1						
				Westlands WD Total:	82,127						
				City of Coalinga Total:	777						
				City of Huron Total:	132						
				Kings County to Lemoore NAS Through WWD	386						
				City of Avenal Total:	372						
				Total San Luis Field Division Deliveries:	116,569						

1/ Includes GWF Energy water and DWR construction water 22R.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations

**August 2012**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Jul 31	29,069								
1	28,958	-111	0	9,227	199	86	1,934	6,966	-98
2	29,388	430	0	9,598	186	74	1,556	7,138	-427
3	29,451	63	0	9,187	186	74	1,556	7,046	-293
4	29,751	300	0	8,956	186	74	1,556	6,973	-16
5	29,742	-9	0	8,555	186	74	1,556	6,995	251
6	29,060	-682	0	7,539	186	74	1,556	6,343	276
7	29,651	591	0	8,935	186	74	1,556	6,782	-39
8	29,400	-251	0	7,883	186	74	1,556	6,042	-152
9	29,802	402	0	8,104	153	78	1,416	5,909	-345
10	30,030	228	0	8,081	153	78	1,416	6,007	-312
11	29,732	-298	0	7,756	153	78	1,416	6,247	-13
12	29,472	-260	0	6,561	153	78	1,416	5,260	215
13	29,559	87	0	7,909	153	78	1,416	6,137	-81
14	29,635	76	0	7,948	153	78	1,416	6,134	-129
15	29,587	-48	0	7,705	153	78	1,416	6,118	36
16	29,402	-185	0	7,983	189	54	1,190	5,933	-710
17	29,755	353	0	8,014	189	54	1,190	6,217	-186
18	29,708	-47	0	7,916	189	54	1,190	6,338	-168
19	29,510	-198	0	6,947	188	54	1,190	5,791	176
20	30,068	558	0	7,579	188	54	1,190	5,957	91
21	29,699	-369	0	7,937	188	54	1,197	6,565	-119
22	29,702	3	0	7,548	188	54	1,197	5,931	-177
23	29,659	-43	0	7,470	99	38	1,267	6,118	30
24	29,246	-413	0	7,558	99	38	1,267	6,213	-149
25	29,384	138	0	7,428	99	38	1,267	5,882	-72
26	29,598	214	0	7,300	99	39	1,267	5,923	136
27	29,610	12	0	6,999	99	39	1,267	5,794	206
28	29,497	-113	0	6,615	99	39	1,267	5,339	72
29	29,858	361	0	6,976	99	39	1,267	5,338	-51
30	29,503	-355	0	6,192	120	69	1,400	4,983	201
31	29,339	-164	0	6,556	120	69	1,400	5,179	129
Total		270	0	240,962	4,824	1,936	42,751	189,597	-1,718
Mean cfs		---	0	7,773	156	62	1,379	6,116	-55
Acre-feet		270	0	477,948	9,569	3,841	84,796	376,065	-3,407

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,138 AF to Pacheco W.D., 175 AF to the City of Dos Palos and 8,256 AF to San Luis Water District.

3/ Includes 124 AF to the City of Huron, 372 AF to the City of Avenal, 777 AF to the City of Coalinga, 8 AF to City of Huron P&R @ 22R, 386 AF to Lemoore N.A.S. @ 29L, 1 AF to GWF @ 30L, 1,000 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 1 AF to DFG @ 4L, 0 AF to Pilobos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DFG @ 7L, 0 AF to Non-Project Water, 72,231 AF to Westlands Water District and 9,896 AF to Pleasant Valley Pumping Plant.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

**August 2012**

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	638	605	77	69	77	6,239	5,364	4,984	4,728
2	710	698	111	101	114	6,133	5,476	5,198	5,031
3	706	668	95	87	97	6,226	5,353	4,977	4,880
4	659	626	93	83	93	6,923	6,433	6,067	5,928
5	622	607	95	85	95	6,959	6,454	6,212	6,172
6	646	561	94	85	95	5,737	4,945	4,681	4,587
7	638	491	93	86	98	6,165	5,452	5,053	5,009
8	688	573	78	68	79	4,069	3,932	3,762	3,589
9	655	593	112	102	113	4,701	3,858	3,494	3,494
10	678	651	111	100	111	4,964	4,118	3,191	3,674
11	718	682	103	93	105	6,442	4,024	3,666	3,600
12	593	563	102	92	102	4,607	4,233	4,142	4,201
13	615	602	109	100	110	4,928	4,206	3,858	3,822
14	559	540	95	86	98	5,052	4,288	4,023	3,932
15	636	616	120	107	120	4,963	4,255	3,953	3,876
16	591	504	95	85	96	5,025	4,300	4,014	3,868
17	629	522	108	96	109	5,119	4,434	4,088	4,033
18	678	565	110	99	110	4,945	4,315	4,055	3,953
19	674	529	93	83	95	4,569	4,471	4,231	4,149
20	600	523	98	90	98	5,565	4,897	4,644	4,630
21	601	568	97	88	100	5,556	4,900	3,369	4,477
22	649	620	87	77	87	5,228	4,794	4,512	4,329
23	659	622	101	89	102	5,908	5,207	4,936	4,701
24	665	627	89	82	91	5,899	5,179	4,867	4,818
25	642	626	95	84	97	6,356	5,922	5,665	5,547
26	620	573	81	74	85	6,451	6,143	5,884	5,645
27	647	647	89	80	90	5,670	5,238	5,009	4,929
28	684	625	101	91	102	5,808	5,132	4,816	4,664
29	643	658	77	70	79	5,742	5,083	4,774	4,672
30	693	701	121	109	121	5,574	5,195	4,963	4,834
31	628	618	85	75	87	6,176	5,640	5,437	5,192
Total	20,064	18,604	3,015	2,716	3,056	173,699	153,241	142,525	140,964

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries

August 2012

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Butte □	MWD □	Other		
	No.	Structure										
7	21	Check No. 21	172.40		376,065							
8C	22		172.66	Empire West Side ID TL - A	0	6,143	948	261	1,190	1/ 20 1/ 443		
				County of Kings TL - A	20							
				Tulare Lake Basin WSD TL-A	6,586							
			175.18	Dudley Ridge WD - 1	948							
			177.54	Dudley Ridge WD - 1B	261							
			180.64	Tulare Lake Basin WSD - C	0							
			180.65	Dudley Ridge WD - 1A	1,190							
			182.99	Dudley Ridge WD - 2	111							
			183.00	Tulare Lake Basin WSD TL - B	21,728							
				County of Kings TL-B	0							
8D			184.00	Dudley Ridge WD - Paramount	3							
			184.63	Coastal Branch	20,064							
31A	8D		184.78	Dudley Ridge WD - 3	1,844	211	0	1,382	0	1/ 251		
				Dudley Ridge Reach 8D Total:	4,357							
9	23			Tulare Lake Basin WSD Total:	28,314	2,724	0	0	0	251		
				Check No. 22	184.82							
				189.69	Kern County Water Agency Lost Hills Water Dist. - 1		24,171	0	0	4,143		
				191.18	Kern County Water Agency Lost Hills Water Dist. - 2							
				194.22	Kern County Water Agency Lost Hills Water Dist. - 3							
				196.40	Kern County Water Agency Berrenda Mesa - 2							
				196.75	Kern County Water Agency Lost Hills Water Dist. - 4							
				K.C.W.A. Reach 9 Subtotal:	16,303							
			Check No. 23	197.05								
10A	24			201.24	Kern County Water Agency Lost Hills Water Dist. - 7	1,099	8,233	1,953				
				202.05	Kern County Water Agency Lost Hills Water Dist. - 5							
				205.26	Kern County Water Agency Lost Hills Water Dist. - 8							
				206.99	Kern County Water Agency Semitropic WSD - 3							
			Check No. 24	207.94								
				209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	9,468	1,099	1,150	7			
				209.78	Kern National Wildlife Refuge USBR BV-1B							
					Kern County Water Agency Buena Vista WSD 1B							
				209.80	KCWA Semitropic WSD							
					KCWA Semitropic WSD Penstocks							
					USBR Total:							
					K.C.W.A. Reach 10A Subtotal:							

1/ Yuba C3.

2/ Friant Recirculation water.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2012

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Butte	MWD	Other		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	1,076						
			214.11	Kern County Water Agency Belridge - 3	1,076							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	15,383	15,383						
				Kern County Water Agency Belridge - 5D	163							
		Check No. 25	217.79	K.C.W.A. Reach 11B Subtotal:	16,622	16,622	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	536						
				Kern County Water Agency West Kern - 3	536							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	3,838	1,338				2/ 2,500		
			Check No. 27	231.73								
	28		235.75	Kern County Water Agency Buena Vista - 2	4,390		1,390			3/ 3,000		
			238.04	Kern County WA CVC	51,922							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	60,150	18,543	0	0	31,058	10,549		
13B	29		238.19	Kern Water Bank Inflow	0	10,968				5/ 2,500		
			Kern Water Bank Outflow	0								
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	13,468							
				KCWA Buena Vista WSD - 5	3,255							
			243.09	Kern County Water Agency Buena Vista - 3	3,029							
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	2,556	3,029				6/ 1,800		
			Buena Vista Pumping Plant	250.99								
				K.C.W.A. Reach 13B Subtotal:	22,308							
14A	31		254.47	Kern County Water Agency West Kern - 2	0	335						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	335							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ 1,953 AF of AVEK Table A, and 547 AF of SBFCWCD exchanged with MWD at KCWA's Strand Ranch area.

3/ Castaic Lake WA sent 3,000 A to RRB WSD.

4/ Includes 200 AF of DRWD and 4849 AF of Zone 7 Table A to Cawelo for storage.

5/ Palmdale 2012 Table A delivered to West Kern WD.

6/ Same Landowner transfer TLBWSD to KCWA 1,800 AF.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.	Structure	Mile		Table A	USBR	Butte	MWD	Other
	No.	Structure									
14A	31	Check No. 31	256.14				721	2,488	0	0	0
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3		721					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4		2,488					
		Check No. 32	261.72				3,544	0	0	0	0
				KCWA Reach 14A Subtotal:	3,544						
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5		5,619	3,019	972	2,600	0	0
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6		972					
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7		3,108	3,108	0	2,600	0	0
		Check No. 34	271.27								
				Reach 14B Total:	9,699		7,099	0	2,600	0	0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8		2,319	2,319	639	5,820	0	0
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9		639					
			277.30	Kern County Water Agency Arvin-Edison WSD		5,820					
				Reach 14C Total:	8,778		2,958	0	0	5,820	0
	Teerink Pumping Plant		278.13			153,241					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A		585	585	3,140	0	0	0
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10		3,140					
				Reach 15-A Total:	3,725		3,725	0	0	0	0
	Chrisman Pumping Plant		280.36			142,525					
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11		0					
		Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12		46	46	64	83	0	0
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A		64					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13		0					
	Check No. 38		287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B		83	83	1,360	766	0	0
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14		1,360	1,080	1,080	0	0	0
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15		0					
				Kern County Water Agency Tehachapi Cummings CWD		1,080					
				K.C.W.A. Reach 16A Subtotal:	3,399		3,399	0	0	0	0
17E	Edmonston Pumping Plant		293.45			140,964					

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

**August 2012**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Butte	MWD	Other	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		20,064					
		Las Perillas Pumping Plant	1.16		20,064					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		18,604					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	971	971				
			14.83	Kern County Water Agency Berrenda Mesa - 1	14,449	3,829				
				Kern County Water Agency Berrenda Mesa - PO	0		1,732			
		Devil's Den Pumping Plant	14.86		3,015				1/ 8,888	
				K.C.W.A. Reach 31A Subtotal:	15,420	4,800	0	1,732	0	8,888
				K.C.W.A. Total:	196,648	127,775	0	8,258	36,878	23,737
33A	C-7	Bluestone Pumping Plant	19.05		2,716					
	C-8	Polonio Pass Pumping Plant	26.54		3,056					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,559	2,559				
		Tank Site 2	58.63	Central Coast:	0	407				
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	407					
		Energy Dissipater	78.12							
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0					
				CCWA Total:	2,966	2,966	0	0	0	0
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
				SBCFC & WCD Total:	0					
38	Tank Site 5	115.42								

1/ Same Landowner transfer AVEK to KCWA.

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

**August 2012**

Date	West Branch						East Branch						East Branch Extension				
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pump-back 1/	Generation	Bypass	Tehachapi Afterbay		Generation	Leakage	Bypass Flume				
1	2,265	2,370	0	0	2,530	0	0	0	2,281	2,240	2,393	0	0	2,357	79	79	31
2	2,337	2,413	0	0	2,584	0	0	0	2,314	2,160	2,111	0	0	2,425	87	79	30
3	2,393	2,416	0	0	2,436	0	0	0	2,487	1,944	1,874	0	0	2,175	94	81	31
4	2,440	2,408	0	0	1,202	0	0	0	3,066	2,472	2,356	0	0	2,507	48	42	30
5	2,539	2,345	0	0	1,166	0	0	0	3,273	2,966	3,048	0	0	2,417	93	81	30
6	2,391	2,347	0	0	2,884	0	0	0	2,198	2,079	2,048	0	0	1,981	81	66	30
7	2,017	1,863	0	0	3,328	908	0	0	2,380	2,194	2,084	0	0	2,088	79	61	31
8	1,327	1,131	0	0	3,332	1,019	0	0	2,182	2,095	2,184	0	0	1,993	71	61	31
9	1,164	1,088	0	0	3,724	460	0	0	1,823	1,911	1,951	0	0	2,094	73	61	31
10	1,164	1,088	0	0	3,111	968	0	0	2,158	1,789	1,345	0	0	2,033	82	58	30
11	1,268	1,077	0	0	1,305	1,711	0	0	2,078	1,777	1,862	0	0	2,098	87	59	30
12	1,525	998	0	0	1,978	1,547	0	0	2,240	2,190	2,251	0	0	2,108	88	60	31
13	1,318	1,059	0	0	3,733	3,302	0	0	2,198	2,189	2,199	0	0	2,126	92	61	29
14	1,165	1,179	0	0	2,426	3,099	0	0	2,488	2,098	2,078	0	0	1,974	96	61	31
15	1,055	1,271	0	0	2,420	1,125	0	0	2,264	1,814	1,861	0	0	2,146	94	61	31
16	1,313	1,255	0	0	2,492	0	0	0	2,231	2,215	2,105	0	0	2,029	98	67	31
17	1,260	1,180	0	0	2,569	0	0	0	2,661	2,677	2,550	0	0	2,318	99	68	31
18	1,483	805	0	0	1,238	1,639	0	0	2,223	2,243	2,313	0	0	2,011	92	60	30
19	1,149	1,307	0	0	1,323	919	0	0	2,608	2,374	2,443	0	0	1,936	93	61	31
20	1,742	1,687	0	0	2,702	1,438	0	0	2,609	2,347	2,376	0	0	2,530	0	0	0
21	1,649	1,674	0	0	2,199	573	0	0	2,406	2,287	2,345	0	0	2,232	93	59	20
22	1,596	1,650	0	0	2,876	0	0	0	2,678	2,279	2,107	0	0	2,188	92	59	30
23	1,700	1,707	0	0	2,598	0	0	0	2,785	2,584	2,183	0	0	2,717	92	60	32
24	1,693	1,707	0	0	1,036	0	0	0	2,908	2,683	2,910	0	0	2,638	94	61	32
25	1,587	1,745	0	0	106	0	0	0	3,145	2,679	2,591	0	0	2,594	94	61	32
26	1,958	1,716	0	0	1,767	0	0	0	3,471	3,258	3,415	0	0	2,689	97	75	32
27	2,225	2,225	0	0	2,633	0	0	0	2,810	2,712	2,717	0	0	2,577	97	81	31
28	1,969	2,225	0	0	2,468	0	0	0	2,413	2,221	2,613	0	0	2,228	95	70	30
29	2,118	2,216	0	0	3,055	774	0	0	2,314	1,450	1,879	0	0	2,231	178	120	60
30	2,233	2,227	0	0	2,433	978	0	0	2,463	2,179	2,069	0	0	2,315	81	53	30
31	2,233	2,198	0	0	2,561	0	0	0	2,843	2,463	2,461	0	0	2,609	82	49	31
Total	54,276	52,577	0	0	72,215	20,460	0	0	77,998	70,569	70,722	0	0	70,364	2,721	1,975	940

1/ Values supplied by LADWP, not verified by DWR.

**Table 25. Pyramid Lake**

Daily Operation

Capacity: 171,200 ac-ft

**August 2012**

(in acre-feet except as noted)

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project		To Piru Creek			
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.		
Jul 31	2,576	167,345											
1	2,576	167,051	-294	0	2,370	0	4	2,530	0	4	0	-134	
2	2,576	166,808	-243	0	2,413	0	3	2,584	0	4	0	-71	
3	2,574	164,347	-2,461	0	2,416	0	4	2,436	0	4	0	-2,441	
4	2,575	166,642	2,295	0	2,408	0	4	1,202	0	4	0	1,089	
5	2,577	168,870	2,228	0	2,345	0	4	1,166	0	4	0	1,049	
6	2,577	168,100	-770	0	2,347	0	4	2,884	0	4	0	-233	
7	2,576	167,460	-640	908	1,863	0	4	3,328	0	4	0	-83	
8	2,575	166,120	-1,340	1,019	1,131	0	4	3,332	0	4	0	-158	
9	2,573	163,791	-2,329	460	1,088	0	3	3,724	0	4	0	-152	
10	2,572	162,647	-1,144	968	1,088	0	3	3,111	0	4	0	-88	
11	2,573	164,056	1,409	1,711	1,077	0	3	1,305	0	4	0	-73	
12	2,574	164,687	631	1,547	998	0	4	1,978	1	3	0	64	
13	2,574	165,308	621	3,302	1,059	0	4	3,733	0	3	0	-8	
14	2,576	167,127	1,819	3,099	1,179	0	4	2,426	0	3	0	-34	
15	2,576	166,961	-166	1,125	1,271	0	4	2,420	0	3	0	-143	
16	2,575	165,663	-1,298	0	1,255	0	4	2,492	0	3	0	-62	
17	2,574	164,359	-1,304	0	1,180	0	4	2,569	0	3	0	84	
18	2,574	165,371	1,012	1,639	805	0	4	1,238	0	3	0	-195	
19	2,575	166,159	788	919	1,307	0	4	1,323	0	3	0	-116	
20	2,575	166,439	280	1,438	1,687	0	4	2,702	0	3	0	-144	
21	2,575	166,362	-77	573	1,674	0	4	2,199	0	3	0	-126	
22	2,574	165,156	-1,206	0	1,650	0	4	2,876	0	3	0	19	
23	2,574	164,182	-974	0	1,707	0	5	2,598	0	3	0	-85	
24	2,574	164,510	328	0	1,707	0	4	1,036	0	3	0	-344	
25	2,575	166,095	1,585	0	1,745	0	4	106	0	3	0	-55	
26	2,575	165,993	-102	0	1,716	0	4	1,767	0	3	0	-52	
27	2,575	165,485	-508	0	2,225	0	4	2,633	0	3	0	-101	
28	2,574	165,105	-380	0	2,225	0	4	2,468	0	3	0	-138	
29	2,574	164,839	-266	774	2,216	0	4	3,055	0	3	0	-202	
30	2,575	165,676	837	978	2,227	0	4	2,433	0	3	0	64	
31	2,574	165,156	-520	0	2,198	0	5	2,561	0	3	0	-159	
<b>Total</b>				-2,189	20,460	52,577	0	122	72,215	1	104	0	-3,028

1/ Values supplied by LADWP, not verified by DWR.

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

**July 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jun 30	1510.99	19,567								
1	1511.57	19,793	226	887	0	653	0	0	-8	
2	1518.00	22,396	2,603	2,608	0	0	0	0	-5	
3	1523.81	24,890	2,494	3,062	0	0	0	568	0	
4	1514.71	21,043	-3,847	1,665	0	929	0	4,635	52	
5	1509.74	19,084	-1,959	1,392	0	2	0	3,345	-4	
6	1508.41	18,578	-506	1,025	0	0	0	1,512	-19	
7	1511.01	19,575	997	998	0	0	0	0	-1	
8	1509.43	18,966	-609	643	0	1,223	0	0	-29	
9	1514.21	20,841	1,875	2,540	0	680	0	0	15	
10	1518.79	22,728	1,887	2,638	0	0	0	763	12	
11	1511.72	19,852	-2,876	1,173	0	0	0	4,105	56	
12	1509.67	19,057	-795	2,487	0	0	0	3,303	21	
13	1511.56	19,789	732	2,717	0	0	0	1,612	-373	
14	1511.90	19,923	134	140	0	0	0	293	287	
15	1512.16	20,025	102	130	0	0	0	0	-28	
16	1513.96	20,740	716	653	0	0	0	0	63	
17	1516.41	21,736	996	1,678	0	0	0	723	41	
18	1510.85	19,513	-2,224	2,176	0	0	0	4,320	-80	
19	1512.72	20,246	733	4,096	0	0	0	3,363	0	
20	1507.14	18,100	-2,146	457	0	721	0	1,882	0	
21	1510.88	19,524	1,424	1,458	0	0	0	0	-34	
22	1511.37	19,715	191	131	0	0	0	0	60	
23	1514.65	21,018	1,303	2,021	0	726	0	0	8	
24	1515.66	21,429	411	1,708	0	0	0	1,351	54	
25	1509.43	18,966	-2,463	1,576	0	0	0	4,004	-35	
26	1509.58	19,023	57	3,647	0	849	0	2,725	-16	
27	1508.06	18,445	-578	2,104	0	0	0	2,705	23	
28	1506.79	17,970	-475	1,240	0	0	0	1,688	-27	
29	1510.58	19,408	1,438	1,500	0	0	0	0	-62	
30	1511.30	19,688	280	2,413	0	0	0	2,133	0	
31	1510.46	19,362	-326	3,099	0	0	0	3,426	1	
Total				-205	54,062	0	5,783	0	48,456	
1/ Values supplied by LADWP, not verified by DWR.										

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Disposition of Natural Inflows		
				Natural	Project					
Jul 31	1496.65	284,201								
1	1497.17	285,278	1,077	0	3,192	0	2,085	0	0 -30	
2	1497.45	285,860	582	0	2,812	0	535	0	0 -1,695	
3	1497.73	286,442	582	0	2,602	0	1,834	0	0 -186	
4	1497.70	286,379	-63	0	1,894	0	2,072	0	0 115	
5	1496.74	284,387	-1,992	0	0	0	1,939	0	0 -53	
6	1496.97	284,864	477	0	2,267	0	1,937	0	0 147	
7	1497.29	285,527	663	0	2,759	0	2,055	0	0 -41	
8	1497.57	286,109	582	0	2,515	0	2,103	0	0 170	
9	1496.94	284,801	-1,308	0	895	0	2,129	0	0 -74	
10	1496.29	283,456	-1,345	0	735	0	2,151	0	0 71	
11	1496.02	282,898	-558	0	1,790	0	2,131	0	0 -217	
12	1495.06	280,920	-1,978	0	0	0	2,031	0	0 53	
13	1494.06	278,868	-2,052	0	0	0	2,016	0	0 -36	
14	1493.37	277,458	-1,410	0	0	0	2,185	0	0 775	
15	1493.61	277,948	490	0	2,679	0	2,120	0	0 -69	
16	1493.85	278,438	490	0	2,605	0	2,157	0	0 42	
17	1493.18	277,070	-1,368	0	975	0	2,091	0	0 -252	
18	1492.14	274,954	-2,116	0	0	0	2,116	0	0 0	
19	1491.10	272,847	-2,107	0	0	0	2,110	0	0 3	
20	1491.25	273,146	299	0	2,250	0	2,083	0	10 142	
21	1491.53	273,717	571	0	2,713	0	2,020	0	10 -112	
22	1491.77	274,203	486	0	2,593	0	2,067	0	14 -26	
23	1493.81	278,357	4,154	0	6,250	0	2,046	0	14 -36	
24	1493.02	276,744	-1,613	0	265	0	1,942	0	16 80	
25	1492.90	276,499	-245	0	1,565	0	1,828	0	16 34	
26	1491.94	274,548	-1,951	0	0	0	1,911	0	16 -24	
27	1490.98	272,605	-1,943	0	0	0	1,946	0	16 19	
28	1490.45	271,535	-1,070	0	819	0	1,969	0	16 96	
29	1490.97	272,584	1,049	0	3,230	0	1,933	0	87 -161	
30	1491.05	272,746	162	0	2,367	0	2,067	0	87 -51	
31	1491.54	273,737	991	0	3,226	0	3,978	0	87 1,830	
Total				-10,464	0	52,998	0	63,587	0	
									389 514	

1/ Values supplied by LADWP, not verified by DWR.

**Table 28. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	Rec.	Article 56C	Local	Article 14B		
	No.	Structure										
29A	42	Oso Pumping Plant	1.49		54,276							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed		1					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(0 AF of flow through Gorman Creek Imp. Channel)	52,577							
29H	W3	Pyramid Lake		USFS			33					
				Pyramid Recreation (T300)	1							
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0							
29J	W4	Castaic Power Plant	25.82	(20,460 AF pumpback ) 2/	72,215		58,541					
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		California State Park			33					
				Castaic Lake Recreation (T301)	33							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	58,541							
				Castaic Lake WA 18", 24" & 54" (T303)	1,110							
				Castaic Lake WA Rio Vista T.P. (T304)	3,903							
				MWD-Ventura Co. WPD (T302)	0							
				Disposition of Natural inflows	0							
				Releases to Lagoon	389							
				Reach 30 Subtotal:	63,587							
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
		Castaic Lagoon Outlet	31.87		186							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

**Table 29. Silverwood Lake**

Daily Operation  
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project			Del. To Mojave W.A.	Natural To Mojave River			
Jul 31	3350.84	70,970												
1	3350.84	70,970	0	2,393	0	0	5	0	2,357	0	1	-30	0	
2	3350.53	70,676	-294	2,111	0	0	5	1	2,425	0	0	26	0	
3	3350.33	70,487	-189	1,874	0	0	6	0	2,175	0	0	118	0	
4	3350.02	70,195	-292	2,356	0	0	5	1	2,507	0	1	-134	0	
5	3350.64	70,780	585	3,048	0	0	6	0	2,417	0	0	-40	0	
6	3350.61	70,752	-28	2,048	0	0	5	1	1,981	0	1	-88	0	
7	3350.61	70,752	0	2,084	0	0	6	0	2,088	0	0	10	0	
8	3350.95	71,074	322	2,184	0	0	5	1	1,993	0	1	138	0	
9	3350.70	70,837	-237	1,951	0	0	5	0	2,094	0	0	-89	0	
10	3349.94	70,120	-717	1,345	0	0	3	1	2,033	0	0	-25	0	
11	3349.72	69,913	-207	1,862	0	0	4	0	2,098	0	0	33	0	
12	3349.83	70,016	103	2,251	0	0	3	1	2,108	0	1	-35	0	
13	3349.94	70,120	104	2,199	0	0	4	0	2,126	0	0	35	0	
14	3350.02	70,195	75	2,078	0	0	4	1	1,974	0	0	-24	0	
15	3349.52	69,725	-470	1,861	0	0	4	0	2,146	0	1	-180	0	
16	3349.72	69,913	188	2,105	0	0	4	1	2,029	0	0	117	0	
17	3349.94	70,120	207	2,550	0	0	5	0	2,318	0	0	-20	0	
18	3350.28	70,440	320	2,313	0	0	5	1	2,011	0	1	25	0	
19	3350.73	70,865	425	2,443	0	0	4	0	1,936	0	0	-78	0	
20	3350.53	70,676	-189	2,376	0	0	4	1	2,530	0	0	-30	0	
21	3350.73	70,865	189	2,345	0	0	6	0	2,232	0	0	82	0	
22	3350.61	70,752	-113	2,107	0	0	3	1	2,188	0	0	-28	0	
23	3349.94	70,120	-632	2,183	0	0	5	0	2,717	0	0	-93	0	
24	3350.08	70,252	132	2,910	0	0	4	1	2,638	0	1	-134	0	
25	3350.02	70,195	-57	2,591	0	0	5	0	2,594	0	0	-49	0	
26	3350.64	70,780	585	3,415	0	0	4	1	2,689	0	0	-136	0	
27	3350.61	70,752	-28	2,717	0	0	5	0	2,577	0	1	-162	0	
28	3350.84	70,970	218	2,613	0	0	4	1	2,228	0	0	-162	0	
29	3350.39	70,544	-426	1,879	0	0	5	0	2,231	0	0	-69	0	
30	3350.16	70,327	-217	2,069	0	0	5	1	2,315	0	0	35	0	
31	3349.94	70,120	-207	2,461	0	0	5	0	2,609	0	0	-54	0	
<b>Total</b>				-850	70,722	0	144	15	70,364	0	9	-1,040	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

**Table 30. Lake Perris**

Daily Operation  
(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**August 2012**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jul 31	1561.48	71,642				
1	1561.40	71,494	-148		202	
2	1561.40	71,494	0		108	
3	1561.43	71,550	56		172	
4	1561.48	71,642	92		174	
5	1561.48	71,642	0		173	
6	1561.54	71,753	111		200	
7	1561.62	71,902	149		173	
8	1561.65	71,957	55		173	
9	1561.70	72,050	93		175	
10	1561.70	72,050	0		174	
11	1561.90	72,421	371		174	
12	1561.80	72,236	-185		174	
13	1561.90	72,421	185		200	
14	1561.90	72,421	0		174	
15	1561.98	72,570	149		174	
16	1562.06	72,719	149		174	
17	1562.14	72,868	149		174	
18	1561.98	72,570	-298		174	
19	1562.14	72,868	298		174	
20	1562.14	72,868	0		212	
21	1562.12	72,831	-37		174	
22	1562.20	72,980	149		175	
23	1562.12	72,831	-149		174	
24	1562.14	72,868	37		175	
25	1562.12	72,831	-37		174	
26	1562.12	72,831	0		175	
27	1562.14	72,868	37		175	
28	1562.20	72,980	112		174	
29	1562.12	72,831	-149		174	
30	1562.28	73,129	298		175	
31	1562.28	73,129	0		174	
<b>Total</b>			<b>1,487</b>	<b>9,136</b>	<b>5,447</b>	<b>-2,202</b>

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

August 2012

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Rec.	Article 56C	Transfer	Local	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45		140,964						
	41		298.65	KCWA Tej.-Cas	Stub						
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
18A	43	Alamo Powerplant	305.73	(Includes 0 AF generation, 0 AF plant bypass, and 77,988 AF Tehachapi Bypass)	77,998						
			306.71	AVEK 305th Street West (T287)	0						
19	44		308.05	AVEK 294th Street West (T267)	217						
		Check No. 43	309.70								
19	44		311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
19	45		314.81								
			314.93	AVEK 235th Street West (T270)	0						
19	45		315.57	AVEK 225th Street West (T271)	0						
			319.74								
19	46			Antelope Valley-East Kern WA Fairmont (T272)	4,583						
			323.19	Mojave Water Agency Fairmont (T272)	153						
19	46		323.84								
				Reach 19 Total:	4,953						
20A	47	Check No. 47	326.77								
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	0						
20A			329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
Check No. 48		330.82									
20A	49	Check No. 49	335.93								
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	4,696						
20B	50		339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	90						
			340.92	AVEK WA-Temp (T387)	0						
20B	51	Check No. 50	341.51								
	51		342.06	AVEK WA-Temp (T386)	0						
20B	51		342.07								
20B	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
	52		343.74								
20B	52		346.98	Palmdale WD (T276) Temp.	2,127						
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	150						
21	53	Check No. 53	348.17								
	54		350.25								
21	55	Check No. 55	352.70								
	56		354.76								
21	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
21	57		354.97	Palmdale WD (T391)	0						
			356.93								
22A	58		357.60	AVEK 95th Street East (T279)	0						
			357.72	AVEK 96th Street East (T280)	0						
22A	58		359.76	AVEK East Side Treatment Plant (T281)	361						

1/ Revision made to reclassify Palmdale Table A as Table A and Butte Transfer water under SWPAO Contract.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**August 2012**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Table A	Rec.	Article 56C	Transfer	Local	Others	Article 14B		
	No.	Structure	Mile											
22B	58	Pearblossom Pumping Plant	360.61		70,569	571	15	0	0	0	1/ 417	1/ 508		
	59	Check No. 59	366.09											
	60		366.50	AVEK Big Rock Siphon (T368)	0									
		Check No. 60	373.94		0									
	61	Check No. 61	379.00		0									
	62	Check No. 62	384.26		0									
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	417									
	64	Check No. 64	395.10		0									
	65	Check No. 65	400.32		0									
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	1,079									
23		Check No. 66	403.41		0									
		Mojave Siphon	405.58	Las Flores Ranch Exchange	0									
24		Mojave Siphon Powerplant	405.65		70,722									
		Silverwood Lake	407.65	MWA CS DAM (T288)	0									
				California State Park										
				Silverwood (T288)	15									
			407.70	Crestline-Lake Arrowhead WA	1,079									
25				State Project Water (T289)	0									
				Non-Project Water (T289)	0									
26A		San Bernardino Intake Tunnel			70,364									
		Devil Canyon Powerplant	412.73		70,364									
		Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0									
				MWD-Rialto (T293)	2,744	2,744								
				MWD-Rialto (T294)	20,227	20,227								
				Desert Water Agency Transfer (T293)	6,133	6,133								
				Coachella Valley WD (T293)	13,333	12,333								
		EBX	412.88	Coachella Valley WD (T294)	0									
				MWD EBX-1 (T290)	0									
				MWD EBX-1 (T291)	0									
				San Gabriel Valley MWD (T290)	2,919	2,919								
				San Bernardino Valley MWD (T290)	139	139								
				San Bernardino Valley MWD (T291)	3,271	2,271								
				San Bernardino Valley MWD (T403)	774	774								
				San Bernardino Valley MWD (T407)	1,005	1,003								
				San Gorgonio Pass WA (T413)	980	604								
28G	28H	Santa Ana Valley Pipeline	425.46		0									
			433.06	MWD-SC Box Springs (T295)	9,145	9,145								
			440.05	MWD-SC Perris Bypass Pipeline (T296)	0									
28J	69	Lake Perris	442.00	MWD-SC (T297)	158	158								
			443.44	MWD-SC 54" & 78" (T299)	5,214	5,214								
				U.S.F.S. Rec. Pyramid (T300).			1							
				Ca. St. Pk. Lake Perris Rec. (T298)	75		75							
				MWD Total:	96,029	96,029	0	0	0	0	0	0		

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ General Conveyance through a Table A exchange.

3/ Crafton Hills Reservoir construction water, T428.

**Table 32. Water Quality At Selected SWP Locations**

August 2012

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO <sub>3</sub>	40	76	56	55	56	57	57	59	67
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.02	0.14	0.19	0.19	0.15	0.16	0.22	0.16
Calcium	mg/l	8	13	13	13	13	14	13	14	18
Chloride	mg/l as C	1	10	48	62	54	55	56	58	52
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Hardness	mg/l	36.000	75.000	73.000	72.000	75.000	76.000	73.000	76.000	88.000
Iron	mg/l	0.005	0.011	0.011	0.013	0.008	0.005	0.005	<0.005	<0.005
Lead	mg/l as CaCO <sub>3</sub>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	11	9	10	10	10	10	10	11
Manganese	mg/l	<0.005	0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0.090	0.090	0.040	0.060	0.070	0.060	0.080	0.230
Organic Carbon, Dissolved	mg/l	NR	5	4	3	3	3	3	3	3
Organic Carbon, Total	mg/l as N	NR	5.300	4.200	2.900	2.800	2.800	2.800	3.400	3.000
Phosphate-Ortho	mg/l as P	<0.01	0.13	0.05	0.06	0.06	0.06	0.07	0.07	0.08
Phosphorus-Total	mg/l	<0.01	0.23	0.07	0.07	0.07	0.09	0.09	0.10	0.10
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	4.000	15.000	33.000	40.000	39.000	40.000	39.000	41.000	41.000
Specific Conductance	µS/cm	87	214	309	357	327	331	344	347	365
Sulfate	mg/l	2	11	14	14	15	16	17	18	27
Total Dissolved Solids	mg/l	56	127	170	198	181	183	190	192	202
Turbidity	NTU	1	35	5	5	3	4	4	5	<1
Zinc	mg/l	<0.005	<0.005	0	<0.005	<0.005	<0.005	0	<0.005	<0.005

mg/l milligrams per liter

µS/cm microSiemens per centimeter

NTU - nephelometric turbidity units

µg/l micrograms per liter

NR - Not Reported

**Table 33. Water Quality At Selected Delta Stations**

August 2012

Date	Antioch Tides (feet above mean sea level)		Flow In CFS			Electrical Conductivity in millSiemens/cm									Cl in mg/l
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	6.72	4.41	9,980	9,980	13,124	1.39	5.24	0.31	0.27	0.65	0.71	0.33	0.34	0.33	95
2	6.55	4.43	9,021	9,500	13,207	1.36	5.23	0.28	0.27	0.64	0.71	0.33	0.39	0.33	98
3	6.59	4.64	7,873	8,958	13,351	1.44	5.84	0.27	0.27	0.67	0.70	0.32	0.38	0.31	97
4	6.43	4.58	7,948	8,706	13,375	1.49	5.98	0.25	0.26	0.68	0.70	0.32	0.32	0.32	93
5	5.87	4.37	8,266	8,618	13,513	1.29	5.04	0.20	0.26	0.64	0.70	0.31	0.39	0.33	89
6	5.71	4.16	8,522	8,602	13,711	1.13	4.21	0.18	0.26	0.60	0.69	0.31	0.47	0.33	88
7	5.84	4.09	9,913	8,789	13,815	1.07	3.77	0.17	0.25	0.58	0.67	0.32	0.54	0.33	88
8	5.74	3.97	8,423	8,743	13,586	1.02	3.32	0.16	0.25	0.57	0.66	0.31	0.58	0.33	89
9	5.90	4.06	8,326	8,697	13,510	1.04	3.52	0.17	0.24	0.59	0.65	0.31	0.56	0.31	88
10	6.26	4.34	6,812	8,508	11,919	1.15	4.53	0.18	0.24	0.63	0.64	0.31	0.52	0.30	92
11	6.38	4.53	6,770	8,350	11,877	1.32	5.18	0.20	0.23	0.65	0.64	0.30	0.44	0.30	90
12	6.45	4.63	6,148	8,167	11,403	1.46	6.24	0.23	0.23	0.66	0.64	0.29	0.42	0.30	89
13	6.31	4.65	4,583	7,891	10,746	1.55	6.39	0.26	0.23	0.67	0.63	0.29	0.44	0.30	87
14	6.41	4.66	3,518	7,579	9,969	1.81	7.32	0.33	0.23	0.71	0.64	0.29	0.37	0.31	85
15	6.72	4.71	2,751	7,257	9,497	2.09	8.17	0.41	0.23	0.75	0.65	0.29	0.31	0.31	78
16	6.60	4.52	2,664	6,970	9,415	2.08	8.12	0.44	0.25	0.75	0.65	0.31	0.29	0.32	77
17	6.42	4.36	2,953	6,734	9,129	2.10	7.72	0.41	0.25	0.74	0.66	0.32	0.29	0.33	78
18	6.17	4.28	3,461	6,552	9,075	2.15	7.65	0.39	0.26	0.76	0.67	0.34	0.30	0.33	83
19	5.92	4.25	3,517	6,392	9,067	2.23	7.68	0.39	0.28	0.78	0.68	0.34	0.30	0.34	89
20	5.85	4.30	3,440	6,244	8,941	2.22	7.72	0.37	0.29	0.81	0.69	0.35	0.33	0.35	94
21	6.09	4.32	3,085	6,094	9,001	2.37	7.99	0.45	0.31	0.85	0.71	0.35	0.34	0.35	96
22	6.26	4.31	2,477	5,930	8,968	2.50	8.21	0.47	0.33	0.88	0.73	0.35	0.43	0.35	99
23	6.38	4.44	2,634	5,786	9,113	2.76	9.08	0.54	0.36	0.97	0.76	0.36	0.51	0.35	100
24	6.53	4.49	3,217	5,679	8,829	2.94	9.18	0.63	0.39	1.05	0.79	0.36	0.54	0.35	102
25	6.71	4.65	3,236	5,581	8,112	3.33	10.23	0.79	0.44	1.19	0.83	0.37	0.44	0.36	100
26	6.46	4.47	3,674	5,508	7,637	3.35	9.86	0.79	0.48	1.18	0.86	0.37	0.43	0.38	102
27	6.28	4.29	3,542	5,435	7,638	3.20	8.81	0.75	0.51	1.12	0.90	0.37	0.51	0.39	102
28	6.33	4.24	3,437	5,364	7,818	3.14	8.99	0.80	0.54	1.12	0.93	0.39	0.53	0.38	109
29	6.32	4.21	2,603	5,269	7,605	3.26	9.20	0.85	0.58	1.15	0.95	0.39	0.50	0.38	111
30	6.23	4.34	2,826	5,187	7,722	3.58	10.04	0.92	0.61	1.26	0.99	0.40	0.46	0.39	113
31	6.31	4.43	2,038	5,086	7,653	3.96	11.18	1.19	0.67	1.38	1.04	0.41	0.41	0.39	119

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio concerns.

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

August 2012

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 20, 2012	Metolachlor	0.70
California Aqueduct At Banks Pumping Plant	June 20, 2012 June 20, 2012	Atrazine Metolachlor	0.03 0.10
O'Niell Forebay Outlet Check 13	June 19, 2012	Simazine	0.02
Delta Mendota Canal At McCabe Road	June 19, 2012 June 19, 2012	Atrazine Metolachlor	0.02 0.10
California Aqueduct Near Kettleman City (Check 21)	June 19, 2012	Simazine	0.02
California Aqueduct At Near Highway 119 (Check 29)	March 21, 2012	Diuron	1.70
California Aqueduct at Tehachapi Afterbay (Check 41)	June 20, 2012	Simazine	0.02
California Aqueduct At Devil Canyon 2nd Afterbay	June 20, 2012	Simazine	0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

August 2012

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	9,044,673	0	42,211	35,781	2,995,016	2,995,016	353,431	3,598
2	9,004,732	0	43,226	38,106	3,138,664	3,138,664	443,792	3,596
3	8,985,834	0	44,621	36,195	3,951,976	3,951,976	560,473	3,708
4	8,885,855	0	40,347	33,590	4,003,040	4,003,040	543,486	3,706
5	8,793,026	0	33,451	30,047	4,001,400	4,001,400	507,189	3,696
6	8,731,030	10,505	36,556	34,446	3,963,792	3,963,792	560,525	3,201
7	8,681,431	15,697	41,768	35,101	4,047,136	4,047,136	524,980	499
8	8,393,176	15,664	47,099	38,133	3,938,320	3,938,320	488,970	485
9	8,426,352	15,917	40,785	36,390	3,933,848	3,629,848	478,430	534
10	8,397,543	15,774	41,135	37,633	3,621,480	3,621,480	484,225	550
11	8,133,114	14,850	37,156	35,439	3,563,024	3,563,024	428,512	537
12	8,184,748	14,520	41,543	32,074	3,659,616	3,659,616	465,452	533
13	8,225,679	15,708	41,293	34,661	3,600,912	3,600,912	473,644	1,985
14	8,138,009	16,049	41,410	36,175	4,027,424	4,027,424	494,309	3,728
15	8,189,676	15,906	39,554	36,710	4,144,760	3,840,760	485,591	3,667
16	8,178,841	15,653	35,844	32,620	3,981,920	3,677,920	477,778	3,657
17	8,172,956	15,367	40,288	41,005	3,839,552	3,535,552	536,480	5,914
18	7,934,421	14,828	31,399	32,639	3,716,712	3,412,712	550,936	7,767
19	8,041,484	14,971	21,080	32,247	3,432,416	3,128,416	497,140	7,746
20	7,910,892	15,521	12,999	26,865	3,294,240	2,990,240	498,348	7,750
21	7,916,018	14,828	17,745	34,818	3,320,328	3,016,328	545,833	7,690
22	7,859,753	14,949	15,607	33,956	3,869,848	3,565,848	560,316	7,666
23	7,954,980	14,718	23,380	32,560	3,874,528	3,570,528	560,552	7,706
24	7,911,288	14,553	35,547	29,873	3,443,432	3,139,432	579,930	6,880
25	7,925,423	14,531	40,407	40,463	2,819,208	2,515,208	625,993	7,817
26	7,929,273	14,300	34,912	30,245	2,466,576	2,162,576	567,004	7,765
27	7,914,181	14,795	36,603	32,743	2,273,000	1,969,000	485,941	7,779
28	7,917,085	14,707	35,453	31,183	2,423,416	2,119,416	471,082	7,806
29	7,913,895	14,641	42,261	42,915	2,461,496	2,157,496	502,403	7,816
30	7,429,521	14,652	31,596	28,989	2,578,168	2,274,168	601,129	7,824
31	7,622,032	14,641	42,150	38,729	3,119,992	2,815,992	598,707	7,766
Total	254,746,921	388,245	1,109,426	1,072,332	107,505,240	102,033,240	15,952,584	151,373

**Table 36. San Luis Field Division Energy Data**

(in kWh)

August 2012

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,480,490	2,264,490	1,082,345	1,082,345	0	0
2	2,604,285	2,388,285	1,335,653	1,335,653	0	0
3	2,484,281	2,268,281	1,606,649	1,606,649	0	0
4	2,428,429	2,212,429	1,301,388	1,301,388	99	99
5	2,314,975	2,098,975	0	0	18,821	18,821
6	2,043,031	1,827,031	0	0	19,756	19,756
7	2,386,460	2,170,460	330,440	330,440	6,633	6,633
8	2,117,675	1,901,675	0	0	20,339	20,339
9	2,174,159	1,958,159	0	0	20,768	20,768
10	2,168,246	1,952,246	0	0	20,823	20,823
11	2,089,217	1,873,217	0	0	20,119	20,119
12	1,766,205	1,550,205	0	0	20,009	20,009
13	2,084,022	1,868,022	0	0	20,999	20,999
14	2,116,287	1,900,287	0	0	20,878	20,878
15	2,078,692	1,862,692	0	0	20,537	20,537
16	2,135,684	1,919,684	0	0	85,360	85,360
17	2,132,573	1,916,573	0	0	20,273	20,273
18	2,123,858	1,907,858	0	0	19,591	19,591
19	1,873,087	1,657,087	0	0	19,261	19,261
20	2,052,140	1,836,140	0	0	20,229	20,229
21	2,142,715	1,926,715	509,179	509,179	22	22
22	2,040,660	1,824,660	504,834	504,834	0	0
23	1,998,524	1,782,524	497,266	497,266	0	0
24	1,989,338	1,773,338	492,195	492,195	0	0
25	1,970,314	1,754,314	11	11	18,623	18,623
26	1,965,319	1,749,319	0	0	18,645	18,645
27	1,901,750	1,771,750	367,818	367,818	4,752	4,752
28	1,766,875	1,766,875	486,090	486,090	0	0
29	1,837,075	1,837,075	482,207	482,207	0	0
30	1,637,140	1,421,140	36,553	36,553	18,535	18,535
31	1,736,440	1,520,440	0	0	18,843	18,843
Total	64,639,944	58,461,944	9,032,628	9,032,628	453,915	453,915

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Plant Energy Load Data**

(in kWh)

August 2012

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	50,045	123,640	54,691	50,373	53,973	1,480,891	1,399,439	3,016,618	10,743,354
2	56,848	135,809	77,286	72,253	78,730	1,465,906	1,426,763	3,165,415	11,236,509
3	55,865	132,773	66,890	62,369	67,459	1,488,033	1,396,393	3,013,923	10,891,449
4	52,264	127,098	65,251	59,712	65,138	1,662,068	1,669,288	3,677,608	13,226,895
5	49,599	122,439	66,558	61,090	66,384	1,667,421	1,679,674	3,752,452	13,783,230
6	49,844	125,610	65,846	61,475	66,341	1,370,680	1,292,359	2,847,174	10,239,345
7	49,794	121,172	66,019	61,988	67,995	1,470,181	1,426,063	3,076,601	11,173,248
8	54,336	129,031	55,371	49,766	55,225	1,128,433	1,041,829	2,265,857	7,940,430
9	52,650	125,129	77,771	73,022	78,138	1,133,105	1,008,646	2,173,776	7,819,470
10	53,687	134,651	77,147	71,437	77,064	1,187,698	1,077,275	2,329,547	8,275,635
11	57,124	140,507	72,099	67,005	72,960	1,152,698	1,052,204	2,266,495	8,158,104
12	46,707	116,390	71,003	65,586	70,847	1,101,044	1,121,395	2,555,157	9,398,673
13	48,865	121,725	75,485	70,216	75,887	1,178,244	1,094,834	2,345,728	8,526,843
14	44,252	111,167	66,471	61,730	67,911	1,214,350	1,121,564	2,473,207	8,777,862
15	49,140	124,552	81,542	75,305	82,299	1,199,948	1,113,800	2,407,977	8,660,439
16	45,422	113,372	65,999	61,336	66,295	1,205,116	1,124,017	2,449,348	8,641,890
17	48,111	118,777	74,569	69,600	74,969	1,230,901	1,158,280	2,500,267	9,014,355
18	53,779	127,764	76,461	70,677	76,048	1,195,677	1,128,069	2,474,824	8,858,376
19	53,779	125,703	65,238	59,902	65,533	1,109,227	1,168,646	2,569,358	9,262,107
20	47,784	116,189	67,129	63,897	67,935	1,342,078	1,274,166	2,790,502	10,329,849
21	47,043	116,971	68,581	63,495	69,077	1,341,178	1,273,979	2,791,503	10,003,014
22	50,332	125,773	60,811	55,503	60,695	1,247,557	1,243,114	2,705,384	9,682,146
23	51,263	129,228	69,720	64,243	70,541	1,419,581	1,354,860	3,000,580	10,511,370
24	52,223	129,714	62,175	58,869	62,972	1,412,888	1,348,276	2,954,974	10,768,464
25	50,274	125,944	66,485	60,977	66,850	1,523,477	1,543,961	3,413,729	12,422,808
26	48,283	122,846	57,661	54,140	58,946	1,552,563	1,592,467	3,526,468	12,594,258
27	50,333	128,975	62,576	57,921	62,445	1,366,594	1,365,066	3,010,359	11,000,340
28	53,483	131,994	69,973	65,351	70,499	1,402,132	1,335,614	2,887,874	10,422,189
29	51,084	130,371	54,077	50,860	54,982	1,380,629	1,323,306	2,877,721	10,421,703
30	55,466	136,840	83,187	77,596	83,111	1,338,057	1,352,828	2,993,342	10,819,737
31	49,050	124,867	59,979	54,534	60,430	1,492,564	1,464,820	3,262,127	11,600,010
Total	1,578,730	3,897,018	2,104,053	1,952,227	2,117,677	41,460,917	39,972,994	87,575,895	315,204,102

**Table 38. Southern Field Division Energy Data**

(in kWh)

August 2012

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	596,371	1,335,909	2,160,000	0	1,513,219	2,890,721	178,336	49,463	67,469	4,827
2	615,025	1,367,531	2,160,000	0	1,465,902	3,000,337	151,425	54,781	67,556	4,846
3	629,679	1,370,223	2,160,000	0	1,331,478	2,682,515	131,313	57,646	67,462	4,791
4	640,084	1,364,021	2,160,000	0	1,677,093	3,026,347	175,348	30,193	35,605	4,764
5	668,756	1,325,705	2,160,000	0	2,003,812	2,958,358	235,274	57,604	67,367	4,891
6	629,836	1,326,872	2,016,000	0	1,419,171	2,480,184	156,805	49,436	55,138	4,956
7	532,837	1,065,636	2,016,000	0	1,494,817	2,587,637	150,382	47,544	50,694	4,928
8	352,640	644,325	1,340,000	0	1,426,240	2,465,543	158,618	42,404	50,694	4,955
9	307,732	618,146	1,288,000	0	1,302,601	2,584,717	139,132	43,991	50,666	4,960
10	268,943	617,069	1,252,000	0	1,221,236	2,508,703	101,291	51,478	49,629	4,955
11	336,949	610,797	1,248,000	0	1,208,005	2,560,723	141,778	54,907	50,535	4,907
12	403,792	591,578	1,248,000	0	1,479,098	2,558,441	172,056	55,016	50,515	4,905
13	349,902	610,513	1,248,000	0	1,480,565	2,590,049	161,627	57,212	50,626	4,904
14	307,866	684,736	1,248,000	0	1,408,991	2,424,006	153,594	59,494	50,510	5,307
15	281,954	731,176	1,248,000	0	1,228,264	2,639,293	141,797	58,030	50,565	5,259
16	347,735	722,056	1,248,000	0	1,501,169	2,506,093	165,165	61,040	56,034	5,271
17	334,144	722,142	1,248,000	0	1,802,417	2,873,786	203,173	63,258	58,558	5,270
18	351,735	459,146	1,248,000	0	1,515,969	2,474,532	172,042	57,828	50,474	5,120
19	305,474	755,231	1,248,000	0	1,600,928	2,383,358	187,448	57,292	50,428	5,068
20	460,024	977,640	1,518,000	0	1,586,370	3,128,504	195,249	57,380	50,383	1,906
21	437,312	977,549	1,680,000	0	1,544,111	2,729,984	194,902	57,339	48,896	2,037
22	419,618	963,203	1,680,000	0	1,543,230	2,701,138	165,982	57,307	49,374	4,524
23	449,732	993,495	1,680,000	0	1,741,493	3,365,431	167,198	57,300	50,332	4,682
24	446,645	991,289	1,680,000	0	1,810,631	3,253,223	230,999	57,278	50,291	4,660
25	419,530	1,005,445	1,680,000	0	1,789,573	3,207,427	196,936	57,299	50,242	4,617
26	518,662	994,683	1,680,000	0	2,177,524	3,316,162	268,233	59,488	61,750	4,560
27	589,050	1,254,266	2,112,000	0	1,826,021	3,160,102	210,676	60,879	67,426	4,697
28	535,004	1,253,702	2,112,000	0	1,500,482	2,755,379	201,279	59,740	58,944	5,170
29	557,338	1,252,004	2,112,000	0	1,274,953	2,806,189	140,635	55,030	50,445	5,601
30	586,276	1,251,161	2,112,000	0	1,487,400	2,777,656	160,889	49,049	44,334	5,724
31	588,254	1,240,952	2,112,000	0	1,669,914	3,224,257	197,301	49,598	40,584	5,711
Total	14,268,899	30,078,200	52,102,000	0	48,032,677	86,620,795	5,406,882	1,686,304	1,653,525	148,773

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.